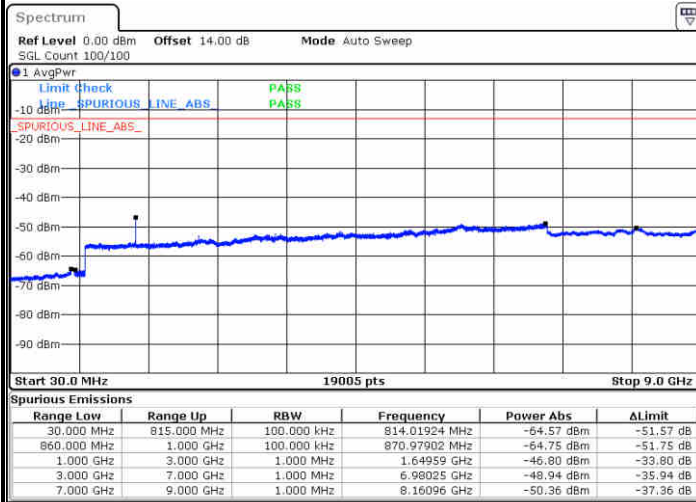




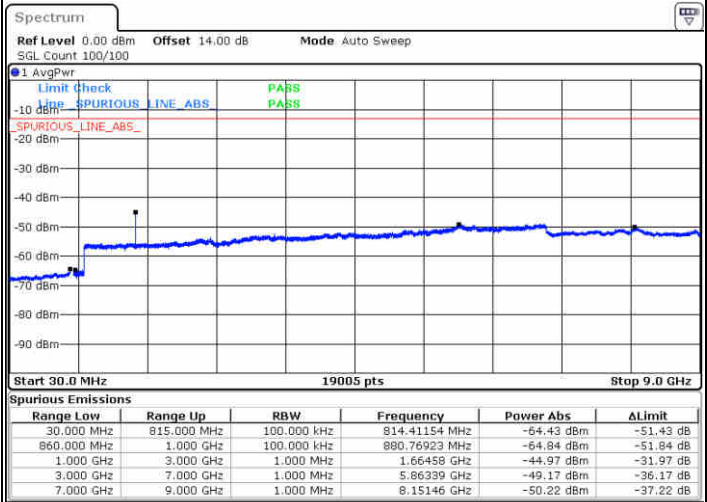
## LTE Band 26 / 10MHz

## Lowest Channel / 64QAM



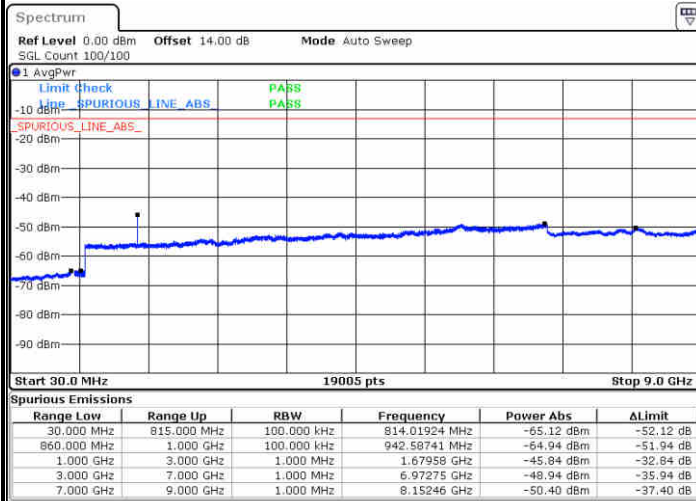
Date: 22 JUN 2020 19:04:26

## Middle Channel / 64QAM



Date: 22 JUN 2020 19:05:42

## Highest Channel / 64QAM

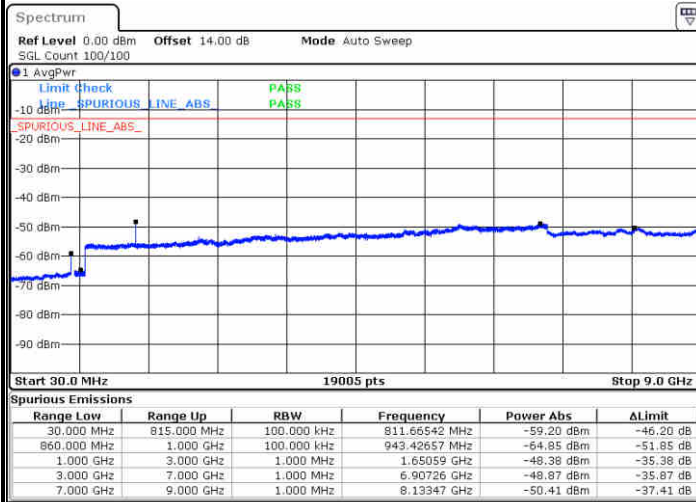


Date: 22 JUN 2020 19:08:47



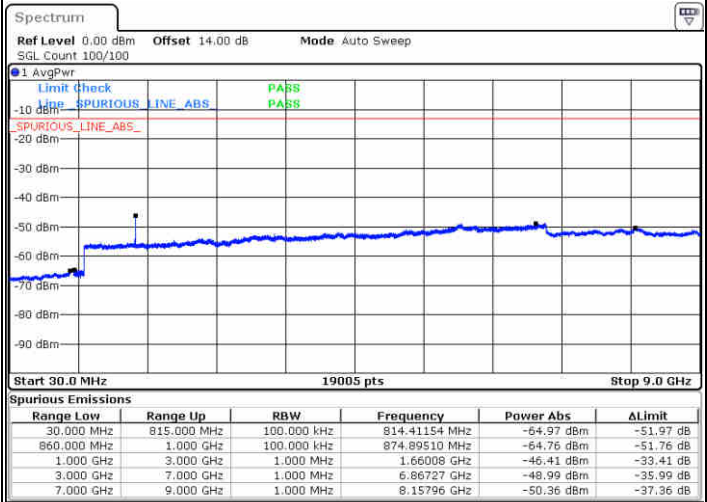
## LTE Band 26 / 15MHz

## Lowest Channel / 64QAM



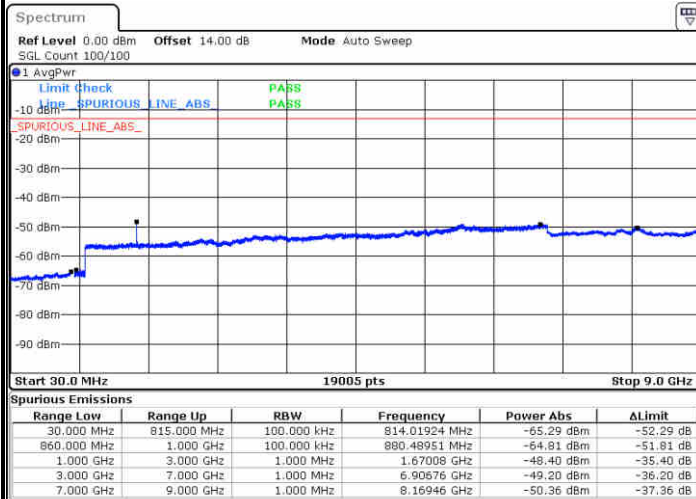
Date: 22 JUN 2020 19:11:51

## Middle Channel / 64QAM



Date: 22 JUN 2020 19:13:07

## Highest Channel / 64QAM



Date: 22 JUN 2020 19:16:12

**Frequency Stability**

| Test Conditions  |                   | LTE Band 26 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0023                              | PASS    |
| 40               | Normal Voltage    | 0.0026                              |         |
| 30               | Normal Voltage    | 0.0039                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0029                              |         |
| 0                | Normal Voltage    | 0.0020                              |         |
| -10              | Normal Voltage    | 0.0029                              |         |
| -20              | Normal Voltage    | 0.0019                              |         |
| -30              | Normal Voltage    | 0.0012                              |         |
| 20               | Maximum Voltage   | 0.0006                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0004                              |         |

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 41

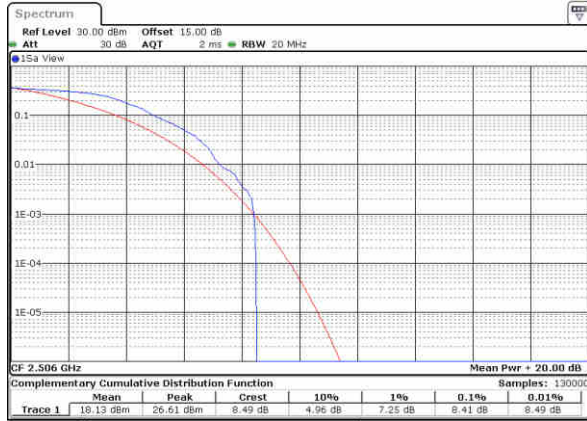
## Peak-to-Average Ratio

| Mode       | LTE Band 41 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 8.41                | 8.29    | 5.91  | 6.72    | PASS        |
| Middle CH  | 6.06                | 7.86    | 6.75  | 6.35    |             |
| Highest CH | 4.84                | 6.52    | 6.52  | 7.68    |             |
| Mode       | LTE Band 41 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 5.65                | 6.72    | -     | -       | PASS        |
| Middle CH  | 7.13                | 6.20    | -     | -       |             |
| Highest CH | 6.20                | 6.29    | -     | -       |             |

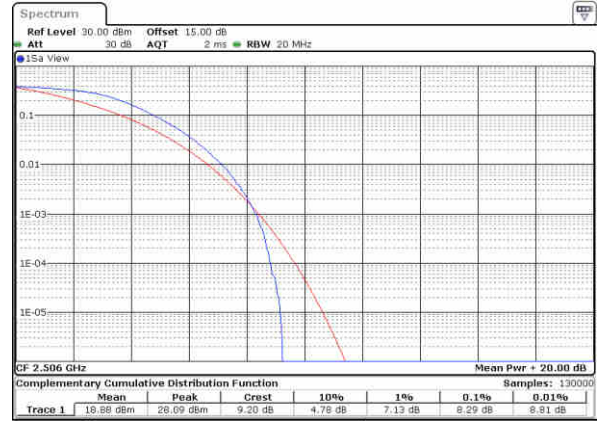


## LTE Band 41 / 20MHz / QPSK

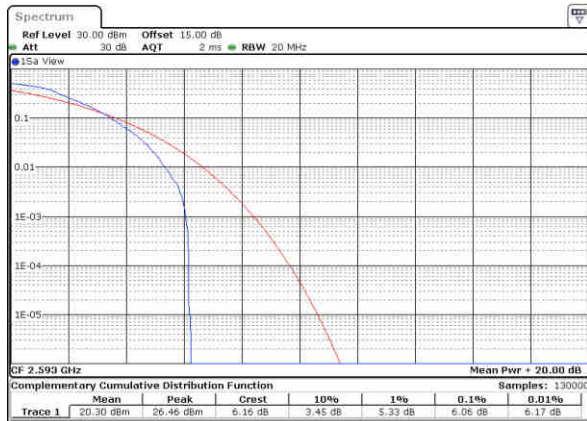
## Lowest Channel / 1RB



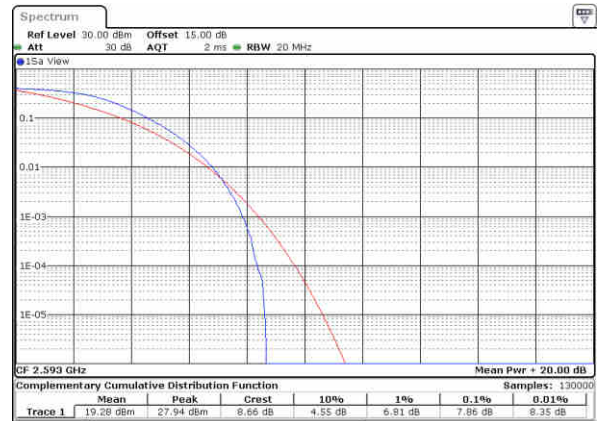
## Lowest Channel / Full RB



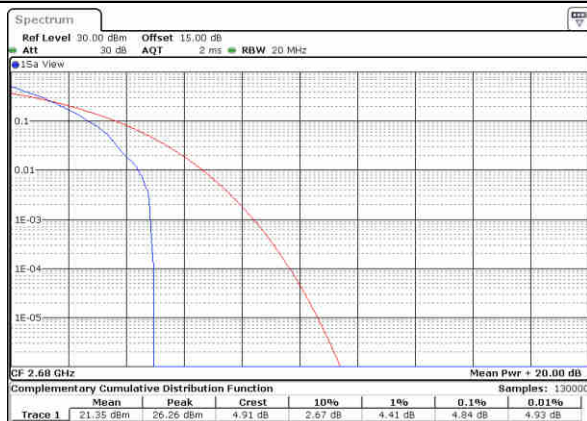
## Middle Channel / 1RB



## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB





## LTE Band 41 / 20MHz / 16QAM

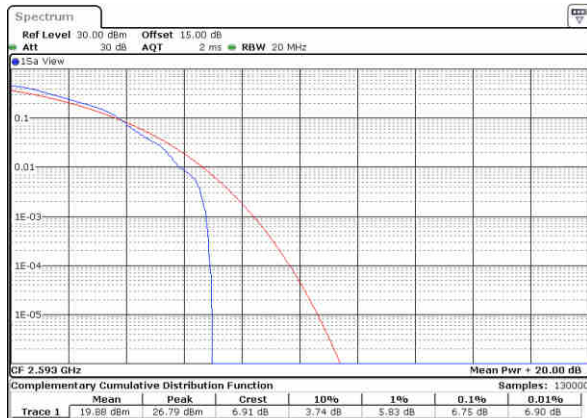
## Lowest Channel / 1RB



## Lowest Channel / Full RB



## Middle Channel / 1RB



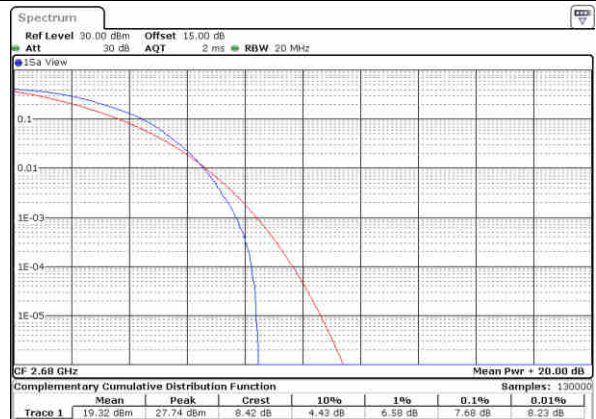
## Middle Channel / Full RB



## Highest Channel / 1RB



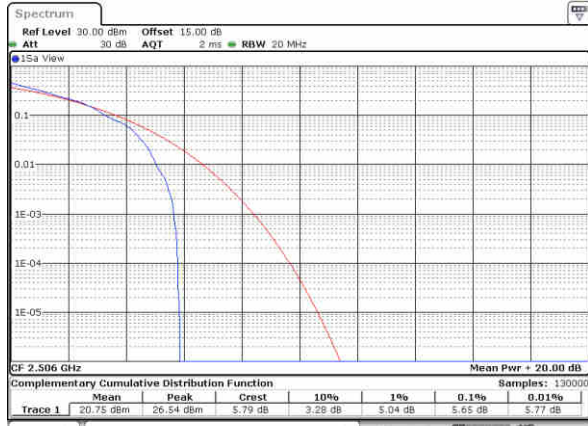
## Highest Channel / Full RB



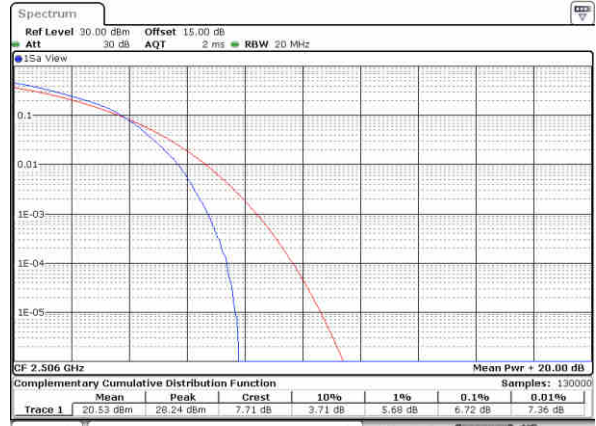


## LTE Band 41 / 20MHz / 64QAM

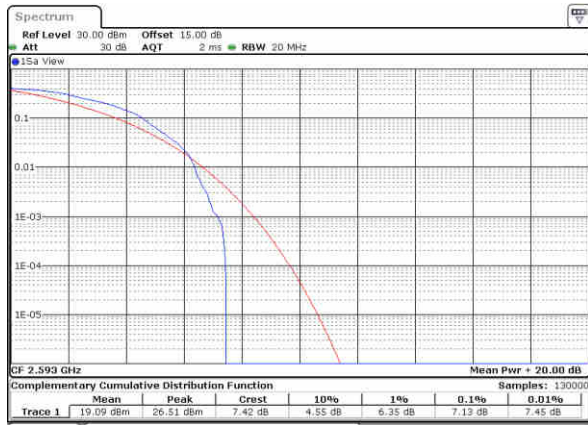
## Lowest Channel / 1RB



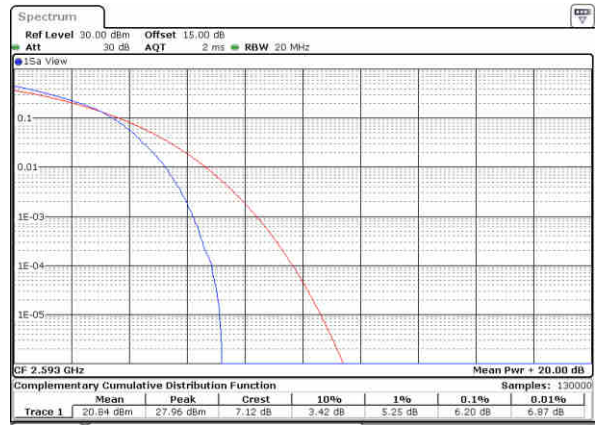
## Lowest Channel / Full RB



## Middle Channel / 1RB



## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB



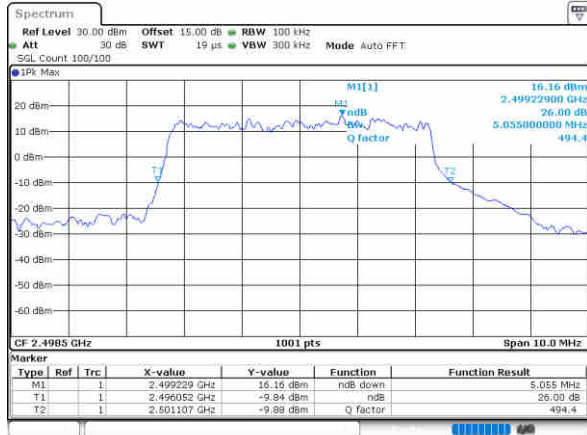
**26dB Bandwidth**

| Mode       | LTE Band 41 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                       | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                          | -     | -     | -     | 5.06  | 4.77  | 9.63  | 9.79  | 14.45 | 14.39 | 18.82 | 18.66 |
| Middle CH  | -                          | -     | -     | -     | 4.97  | 4.94  | 9.67  | 9.63  | 14.51 | 14.21 | 19.02 | 18.78 |
| Highest CH | -                          | -     | -     | -     | 4.86  | 4.81  | 9.63  | 9.65  | 14.15 | 14.48 | 18.70 | 19.02 |
| Mode       | LTE Band 41 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                          | -     | -     | -     | 4.88  | -     | 9.85  | -     | 14.21 | -     | 18.90 | -     |
| Middle CH  | -                          | -     | -     | -     | 4.81  | -     | 9.71  | -     | 14.36 | -     | 19.14 | -     |
| Highest CH | -                          | -     | -     | -     | 4.87  | -     | 9.67  | -     | 14.15 | -     | 19.02 | -     |



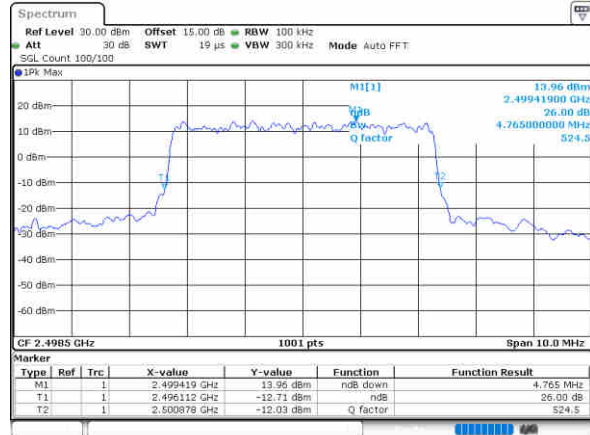
## LTE Band 41

## Lowest Channel / 5MHz / QPSK



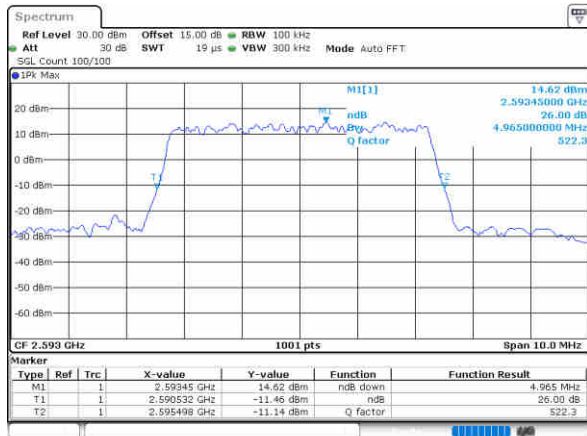
Date: 22-JUN-2020 15:30:45

## Lowest Channel / 5MHz / 16QAM



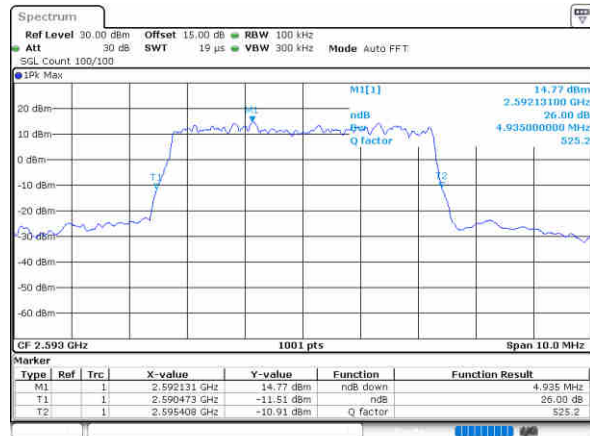
Date: 22-JUN-2020 15:30:56

## Middle Channel / 5MHz / QPSK



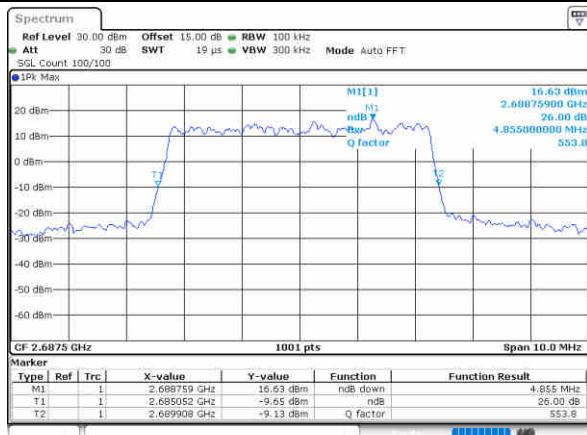
Date: 22-JUN-2020 15:31:29

## Middle Channel / 5MHz / 16QAM



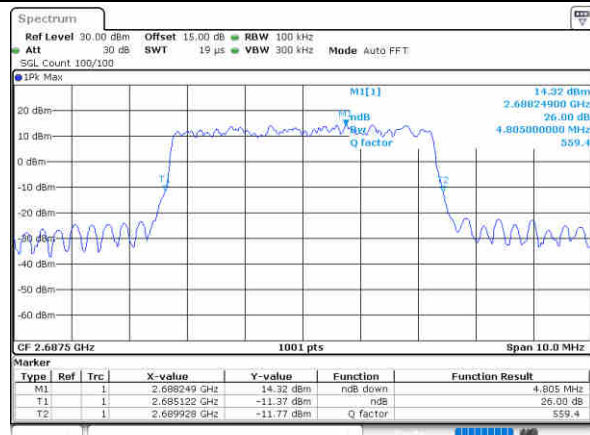
Date: 22-JUN-2020 15:31:39

## Highest Channel / 5MHz / QPSK



Date: 22-JUN-2020 15:32:12

## Highest Channel / 5MHz / 16QAM

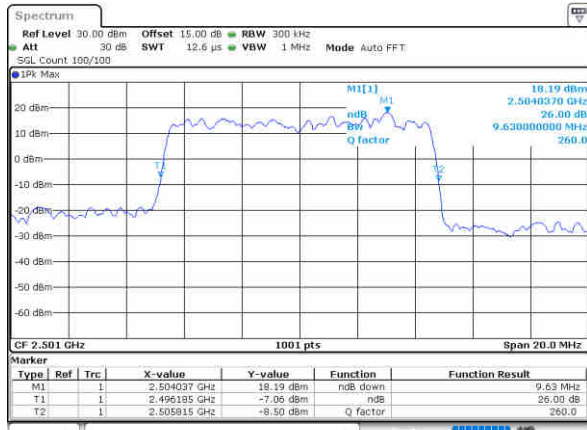


Date: 22-JUN-2020 15:32:23

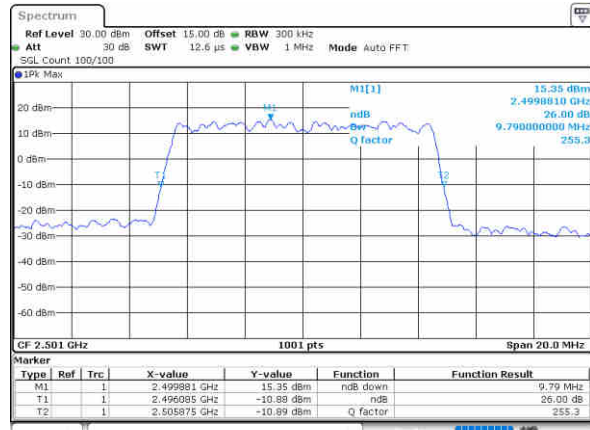


## LTE Band 41

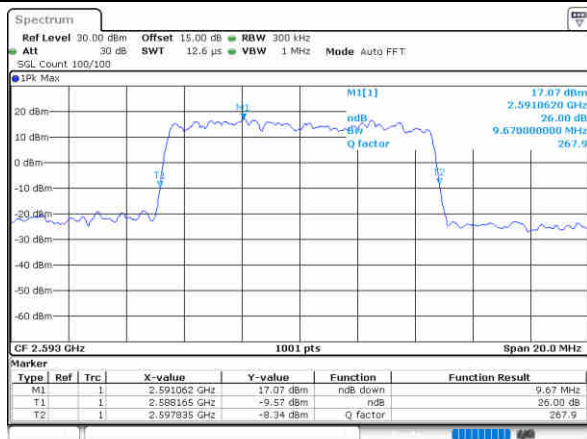
## Lowest Channel / 10MHz / QPSK



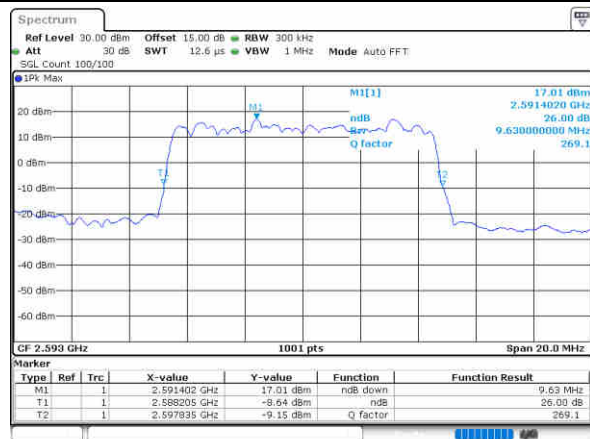
## Lowest Channel / 10MHz / 16QAM



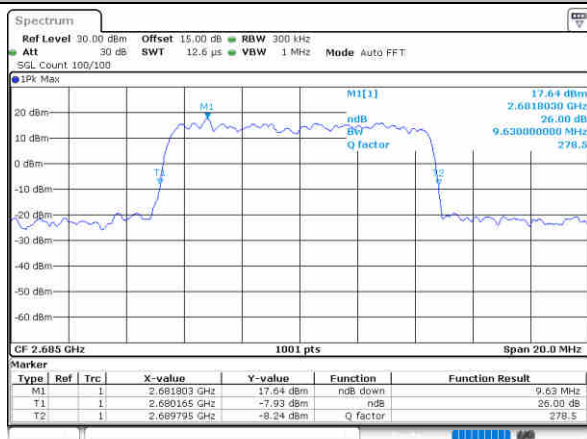
## Middle Channel / 10MHz / QPSK



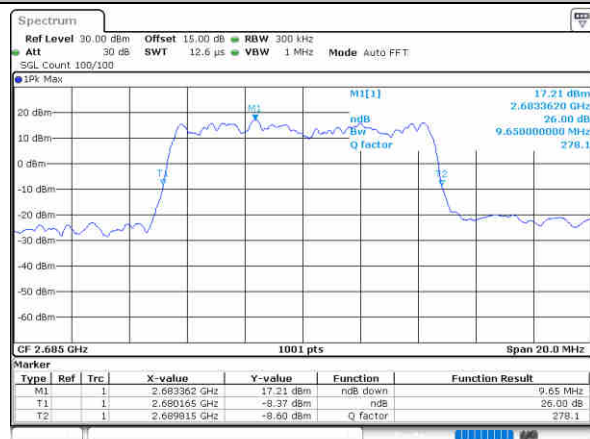
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



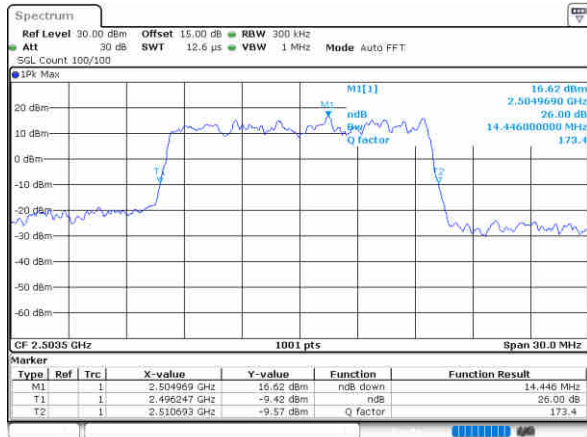
## Highest Channel / 10MHz / 16QAM



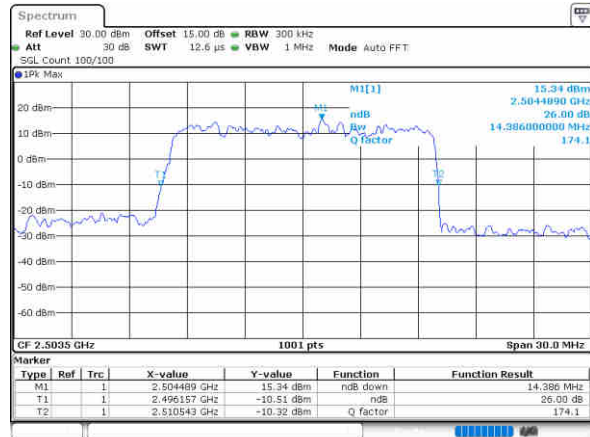


## LTE Band 41

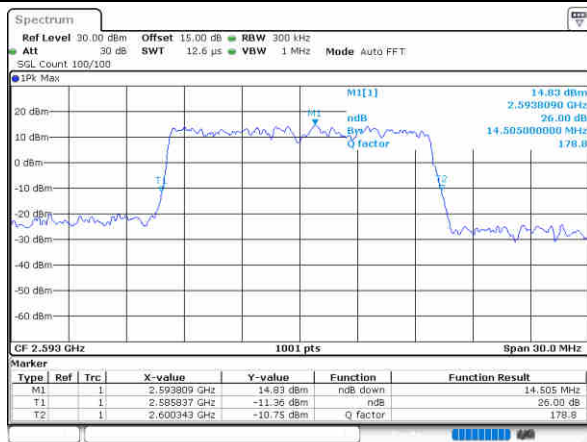
## Lowest Channel / 15MHz / QPSK



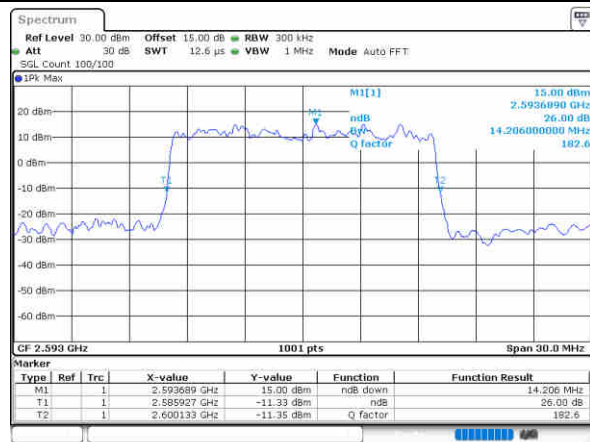
## Lowest Channel / 15MHz / 16QAM



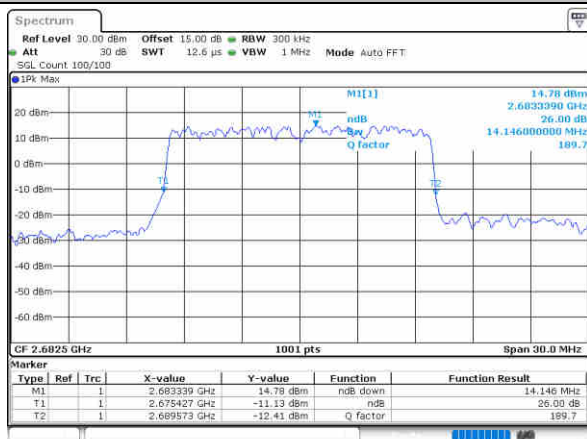
## Middle Channel / 15MHz / QPSK



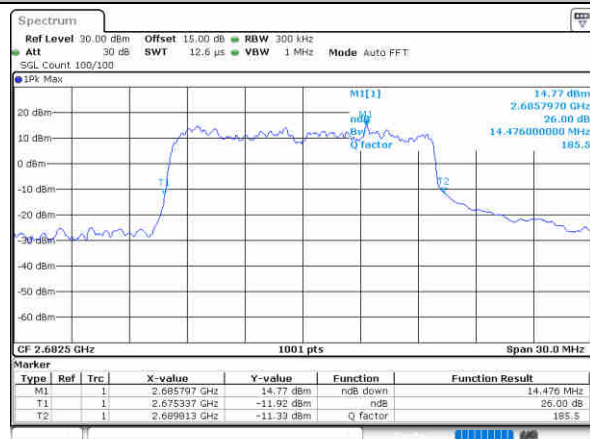
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



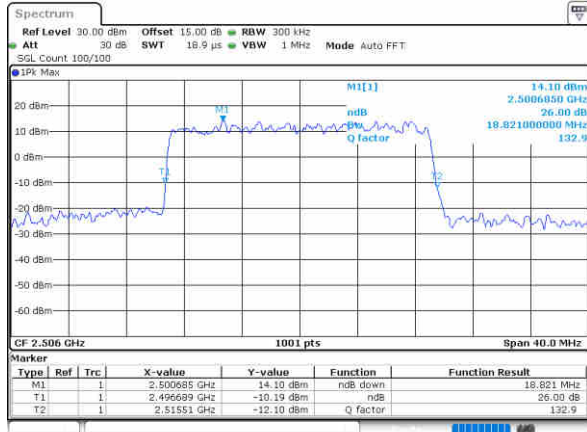
## Highest Channel / 15MHz / 16QAM



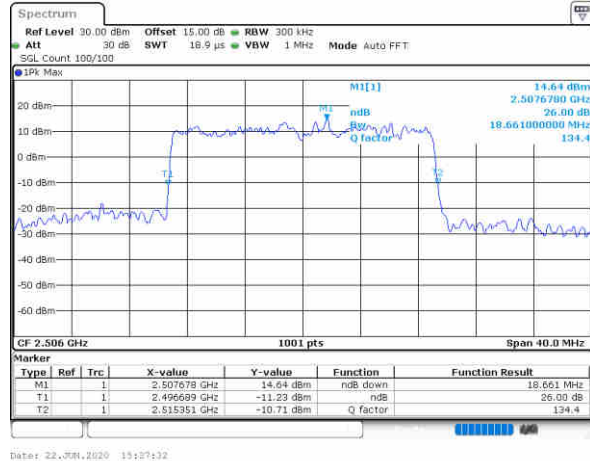


## LTE Band 41

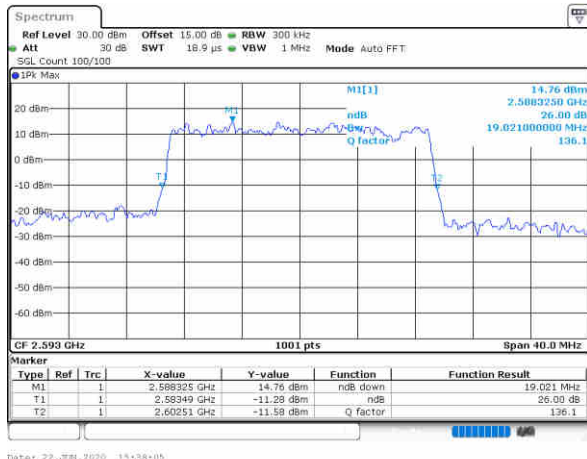
## Lowest Channel / 20MHz / QPSK



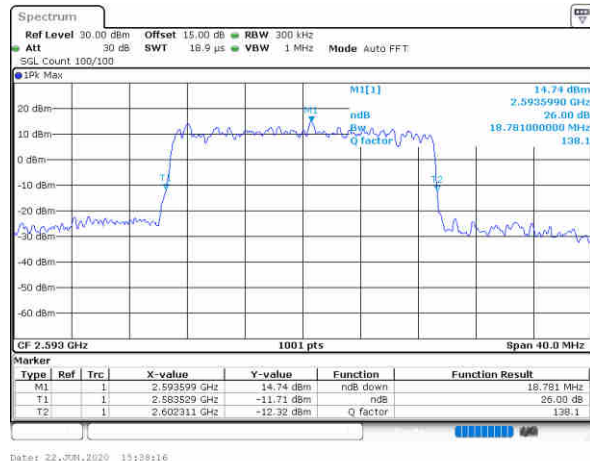
## Lowest Channel / 20MHz / 16QAM



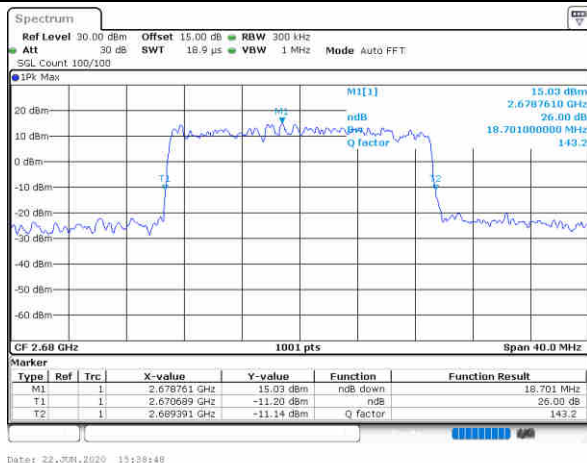
## Middle Channel / 20MHz / QPSK



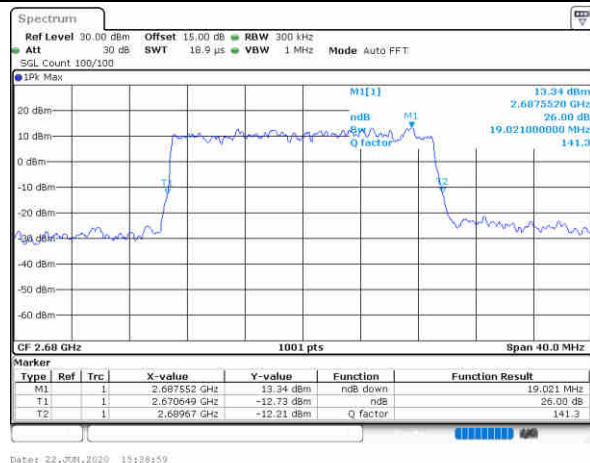
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



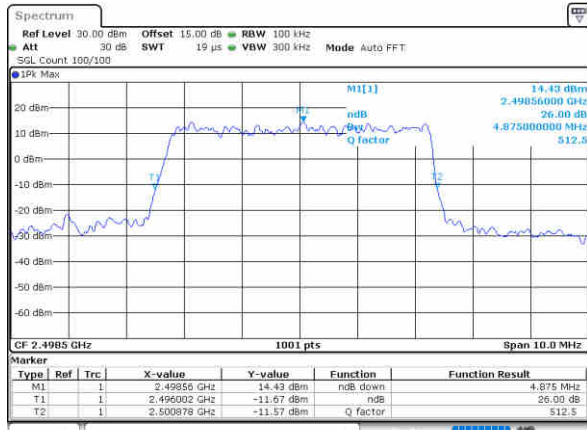
## Highest Channel / 20MHz / 16QAM



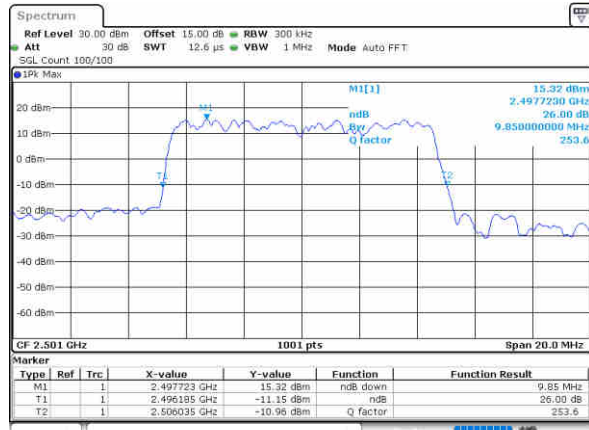


## LTE Band 41

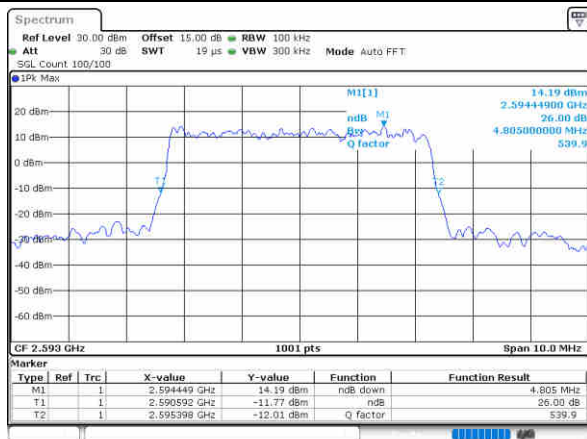
## Lowest Channel / 5MHz / 64QAM



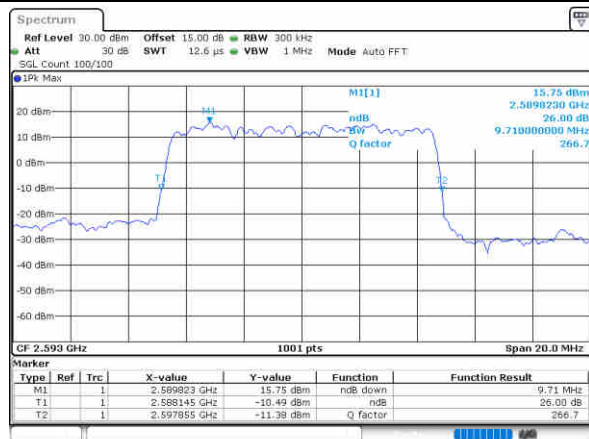
## Lowest Channel / 10MHz / 64QAM



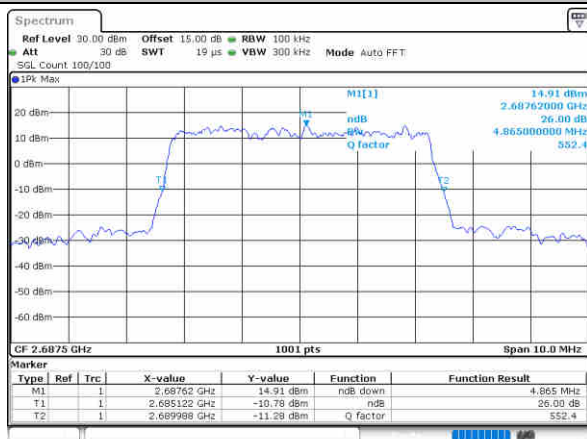
## Middle Channel / 5MHz / 64QAM



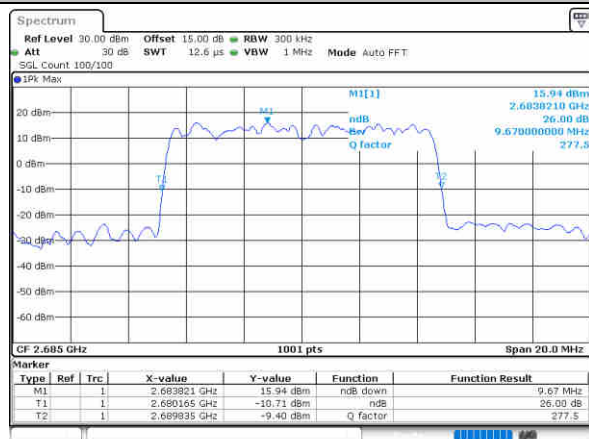
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



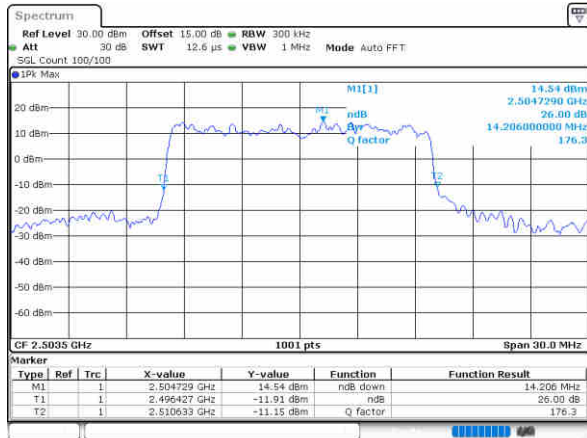
## Highest Channel / 10MHz / 64QAM





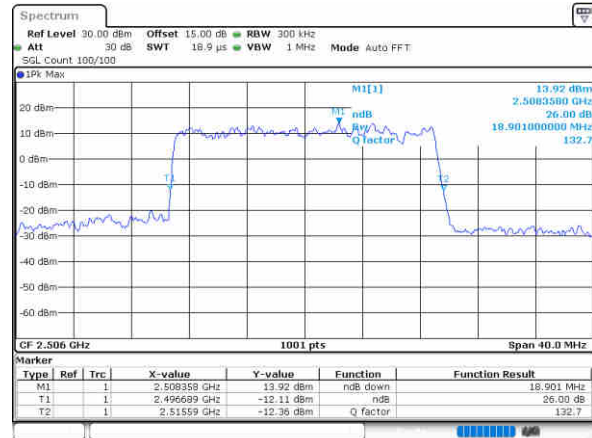
## LTE Band 41

## Lowest Channel / 15MHz / 64QAM



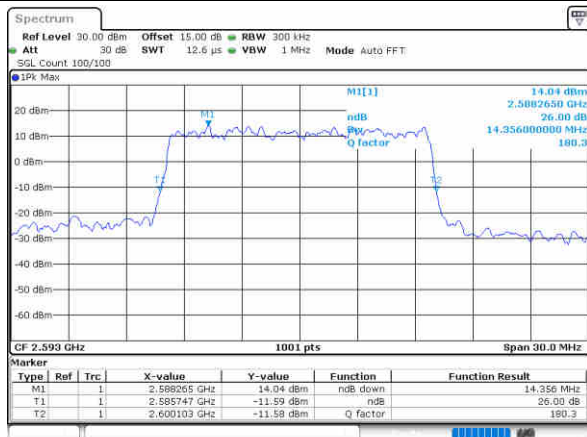
Date: 22-Jun-2020 15:25:06

## Lowest Channel / 20MHz / 64QAM



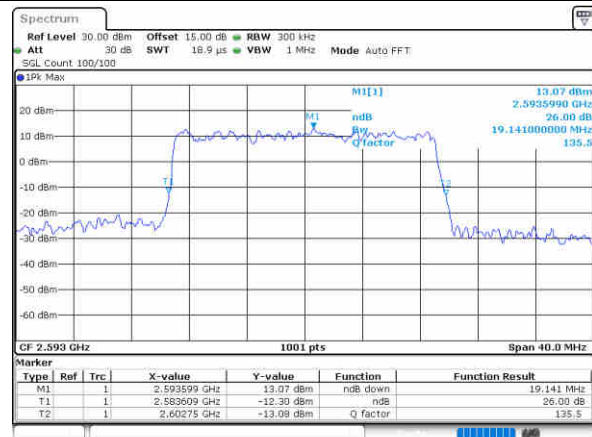
Date: 22-Jun-2020 15:26:12

## Middle Channel / 15MHz / 64QAM



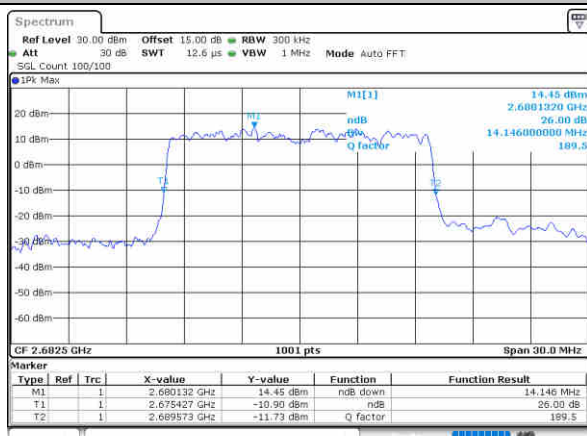
Date: 22-Jun-2020 15:25:28

## Middle Channel / 20MHz / 64QAM



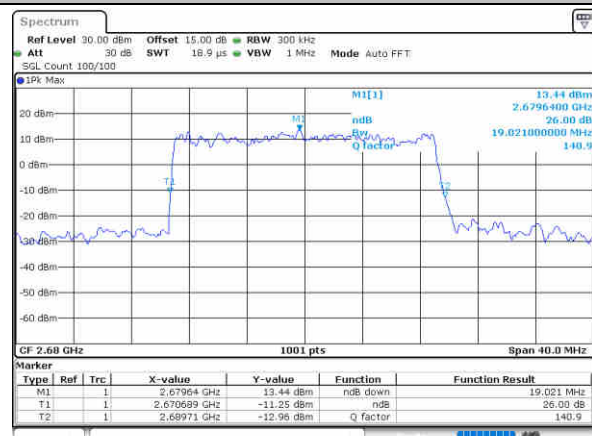
Date: 22-Jun-2020 15:26:34

## Highest Channel / 15MHz / 64QAM



Date: 22-Jun-2020 15:25:50

## Highest Channel / 20MHz / 64QAM



Date: 22-Jun-2020 15:26:56

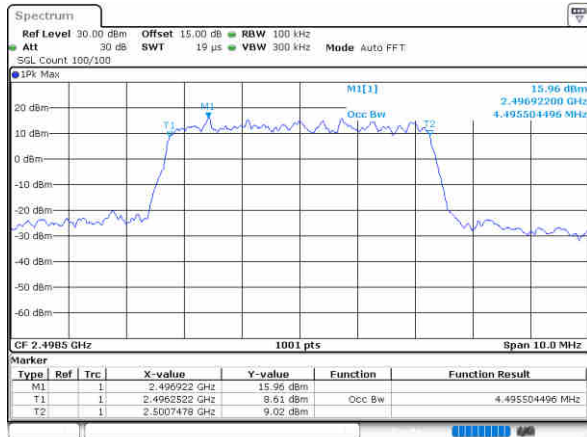
**Occupied Bandwidth**

| Mode       | LTE Band 41 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                         | -     | -     | -     | 4.50  | 4.46  | 9.05  | 9.01  | 13.46 | 13.37 | 17.86 | 17.86 |
| Middle CH  | -                         | -     | -     | -     | 4.51  | 4.49  | 8.99  | 9.01  | 13.46 | 13.49 | 17.94 | 17.82 |
| Highest CH | -                         | -     | -     | -     | 4.48  | 4.51  | 8.99  | 9.03  | 13.37 | 13.40 | 17.90 | 17.78 |
| Mode       | LTE Band 41 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                         | -     | -     | -     | 4.46  | -     | 9.01  | -     | 13.49 | -     | 17.90 | -     |
| Middle CH  | -                         | -     | -     | -     | 4.49  | -     | 9.01  | -     | 13.40 | -     | 17.86 | -     |
| Highest CH | -                         | -     | -     | -     | 4.46  | -     | 9.03  | -     | 13.43 | -     | 17.94 | -     |

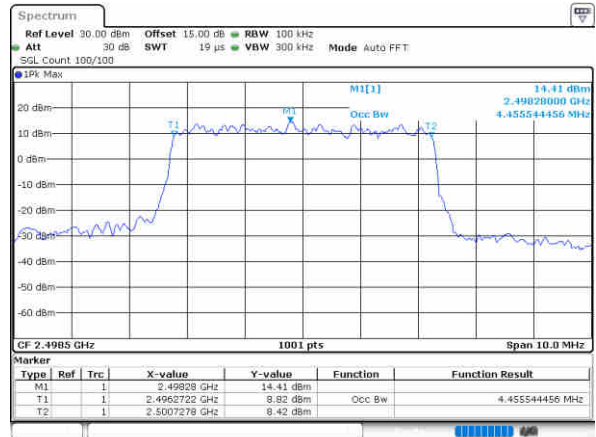


## LTE Band 41

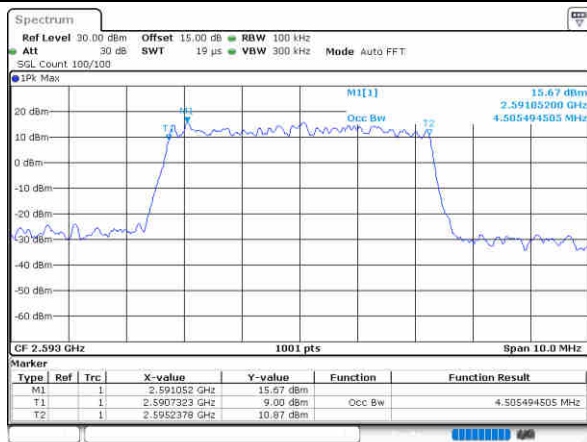
## Lowest Channel / 5MHz / QPSK



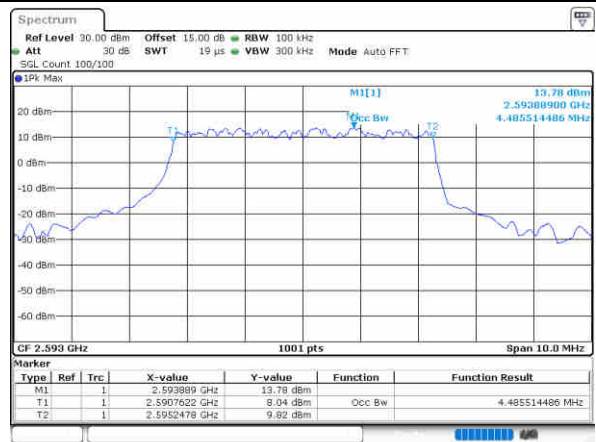
## Lowest Channel / 5MHz / 16QAM



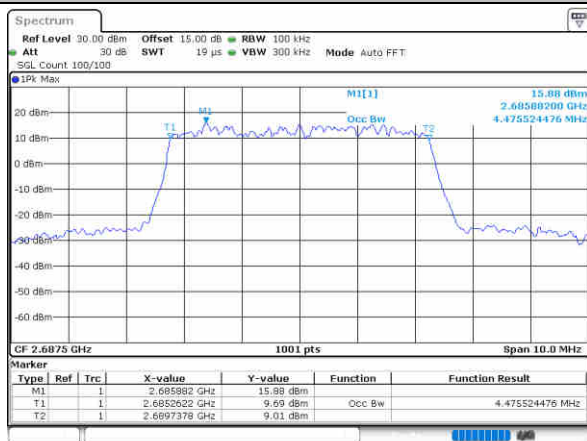
## Middle Channel / 5MHz / QPSK



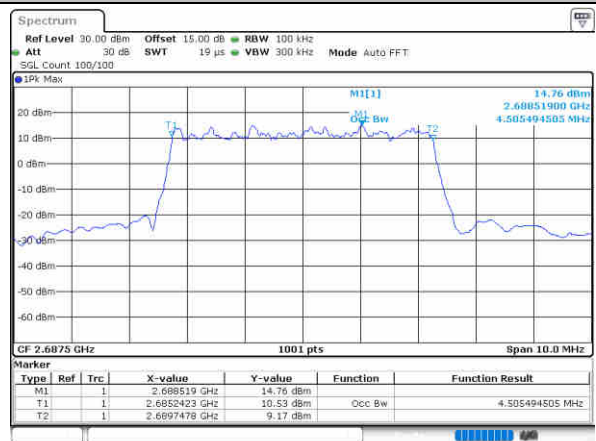
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



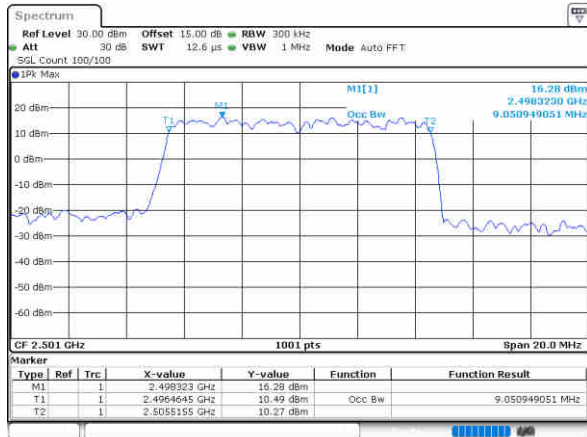
## Highest Channel / 5MHz / 16QAM



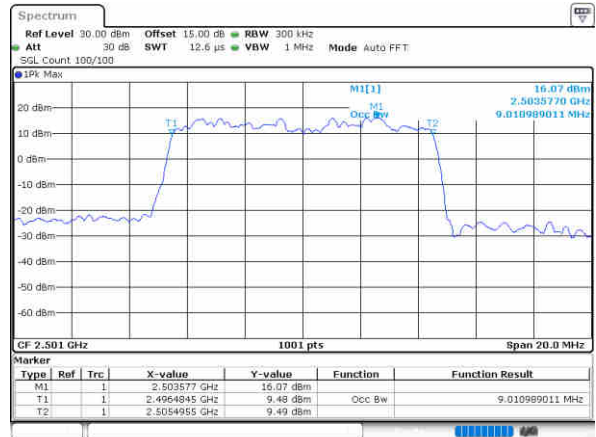


## LTE Band 41

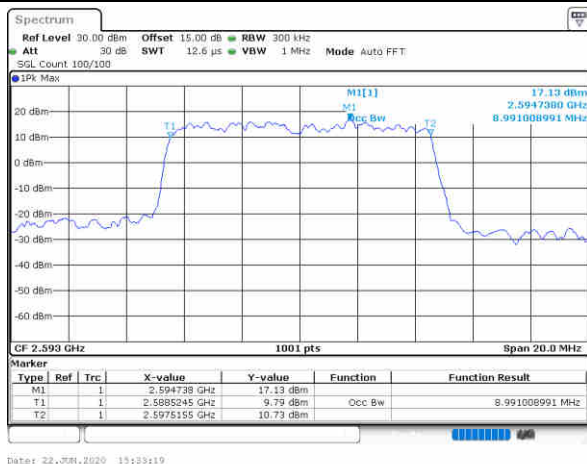
## Lowest Channel / 10MHz / QPSK



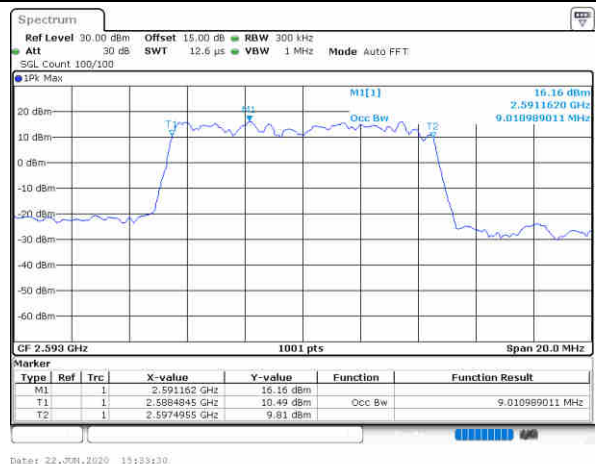
## Lowest Channel / 10MHz / 16QAM



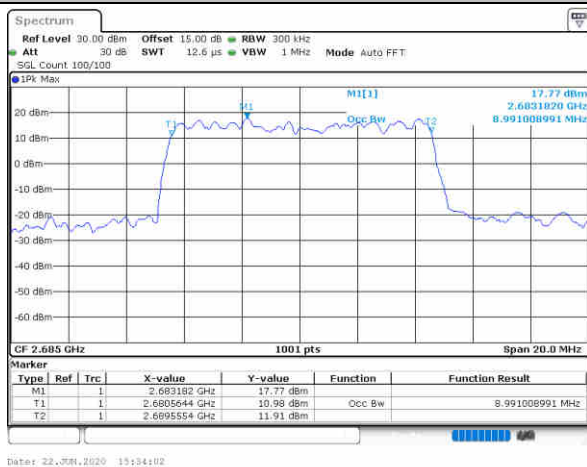
## Middle Channel / 10MHz / QPSK



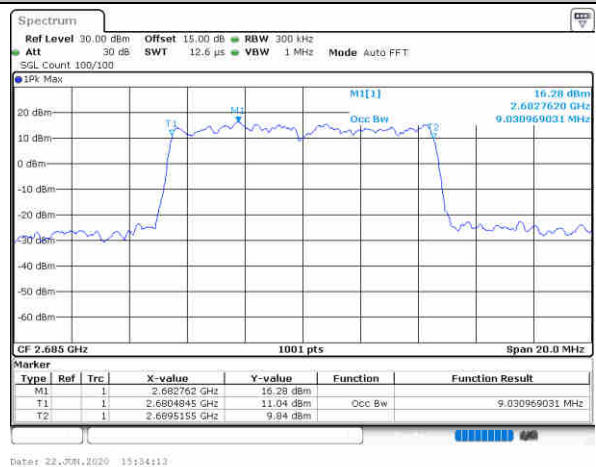
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



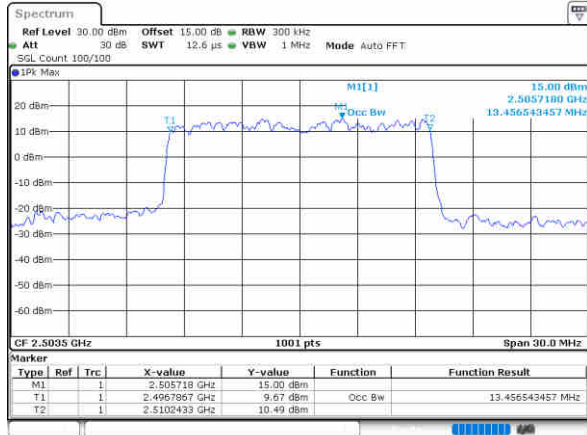
## Highest Channel / 10MHz / 16QAM



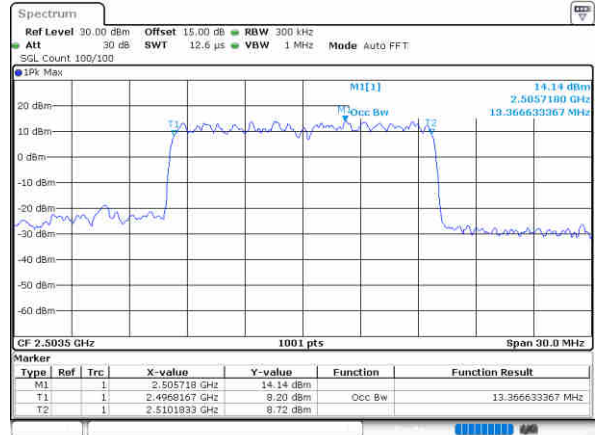


## LTE Band 41

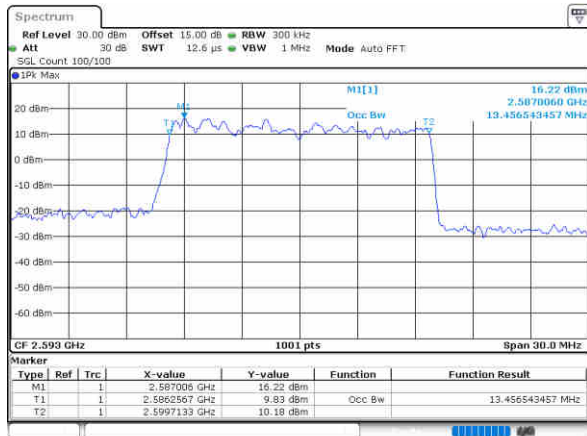
## Lowest Channel / 15MHz / QPSK



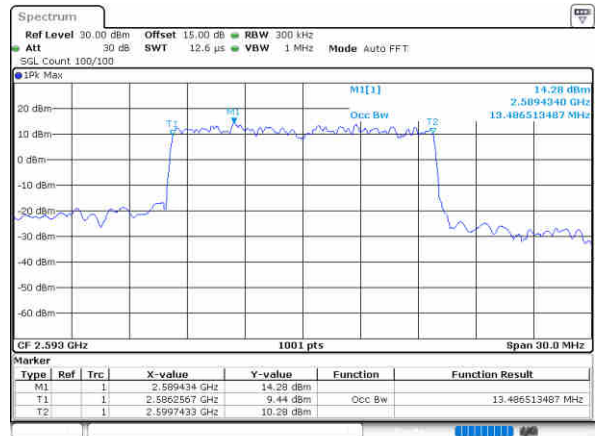
## Lowest Channel / 15MHz / 16QAM



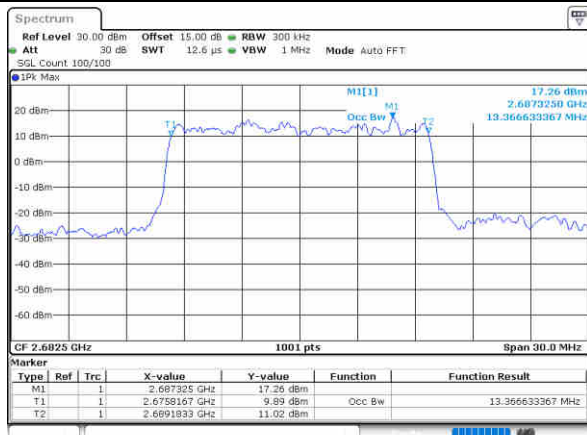
## Middle Channel / 15MHz / QPSK



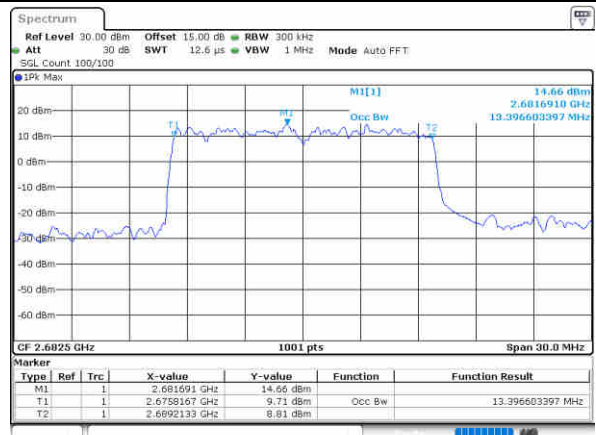
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



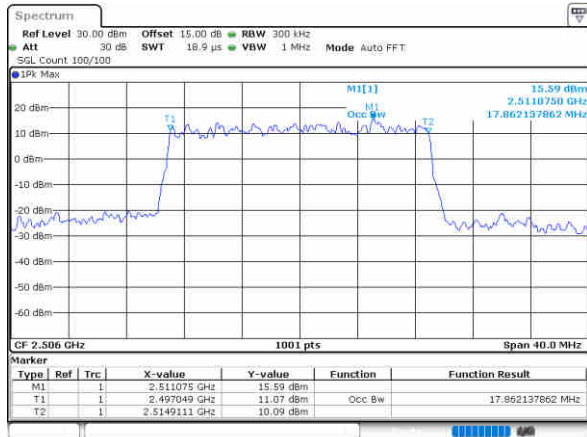
## Highest Channel / 15MHz / 16QAM



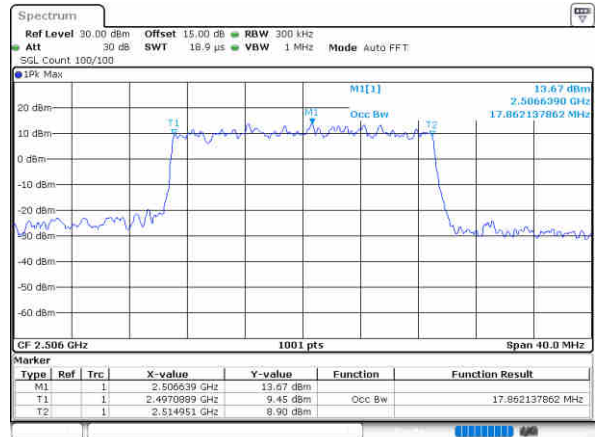


## LTE Band 41

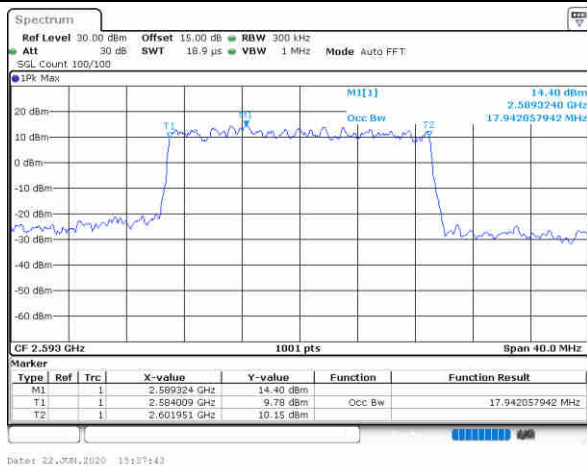
## Lowest Channel / 20MHz / QPSK



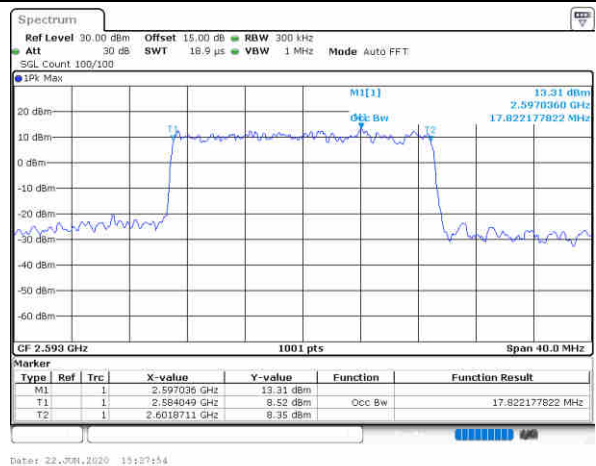
## Lowest Channel / 20MHz / 16QAM



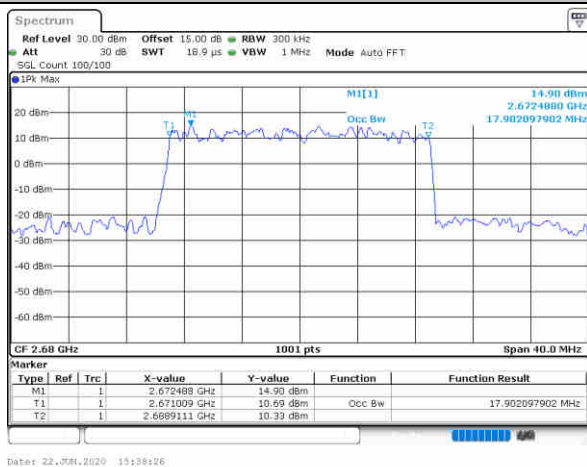
## Middle Channel / 20MHz / QPSK



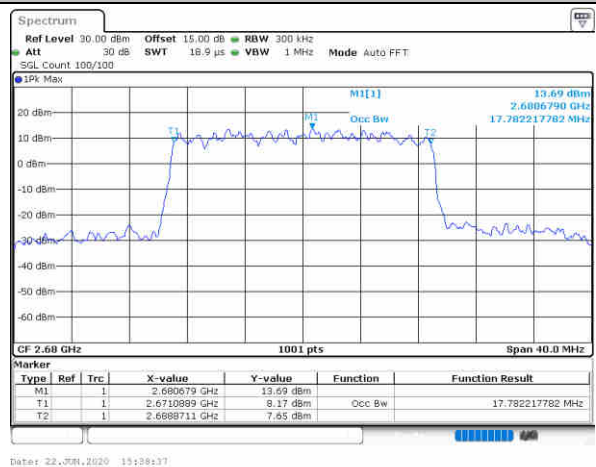
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



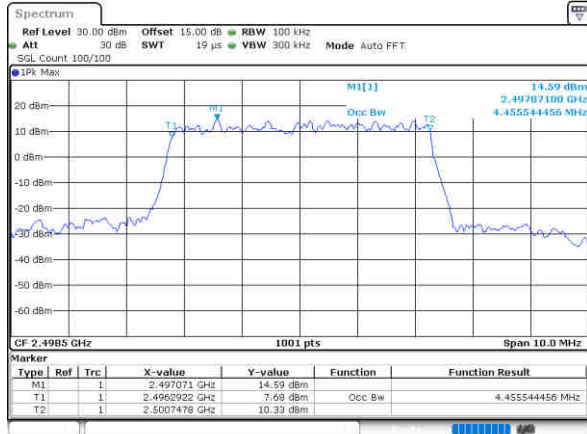
## Highest Channel / 20MHz / 16QAM





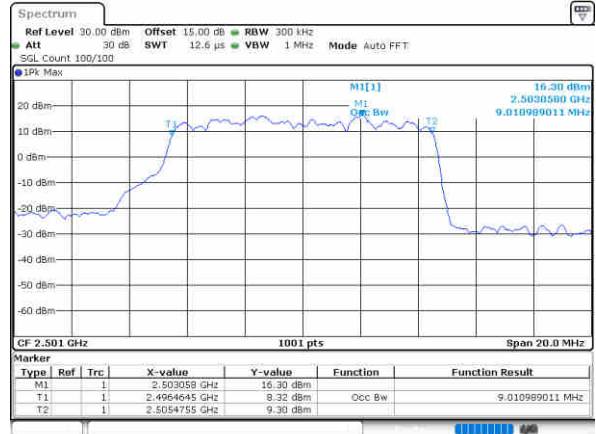
## LTE Band 41

## Lowest Channel / 5MHz / 64QAM



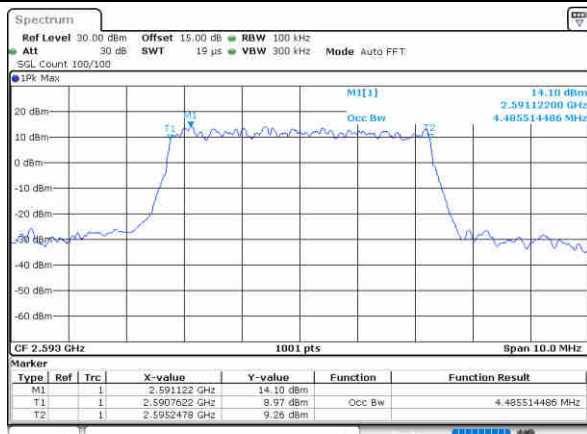
Date: 22-JUN-2020 15:22:43

## Lowest Channel / 10MHz / 64QAM



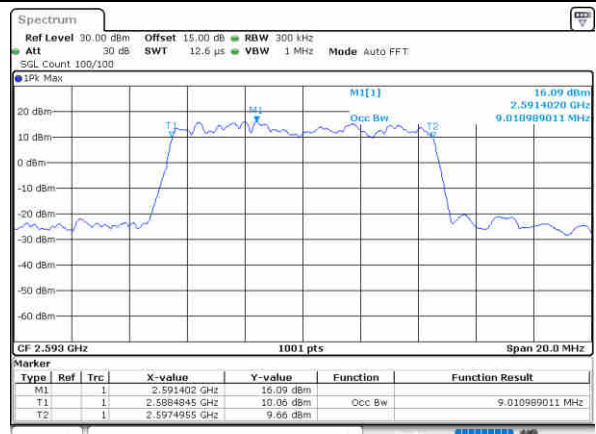
Date: 22-JUN-2020 15:23:49

## Middle Channel / 5MHz / 64QAM



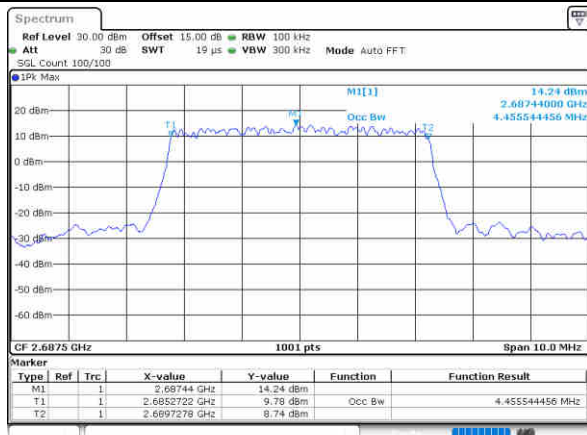
Date: 22-JUN-2020 15:23:05

## Middle Channel / 10MHz / 64QAM



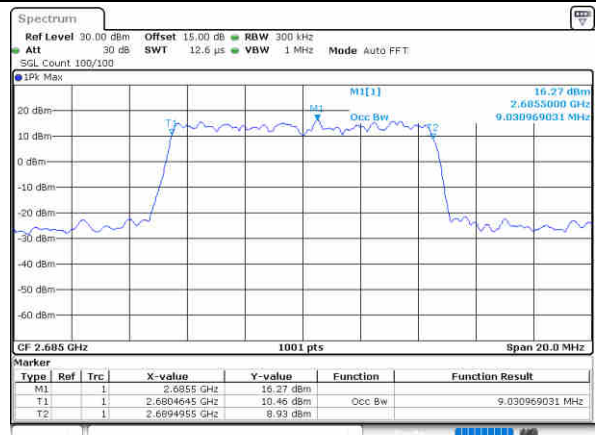
Date: 22-JUN-2020 15:24:11

## Highest Channel / 5MHz / 64QAM



Date: 22-JUN-2020 15:23:27

## Highest Channel / 10MHz / 64QAM

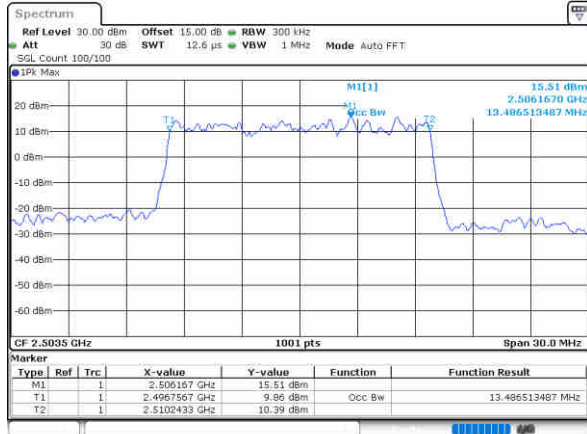


Date: 22-JUN-2020 15:24:32



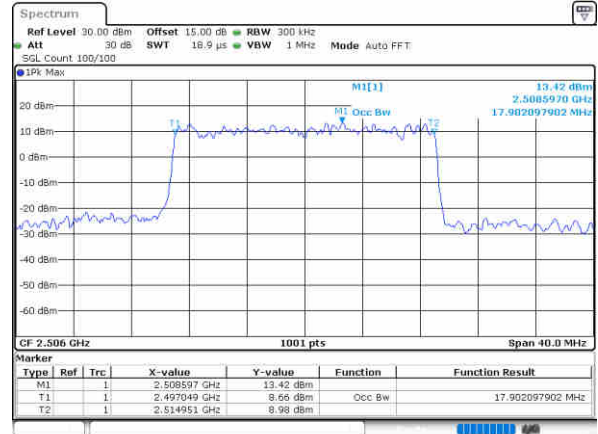
## LTE Band 41

## Lowest Channel / 15MHz / 64QAM



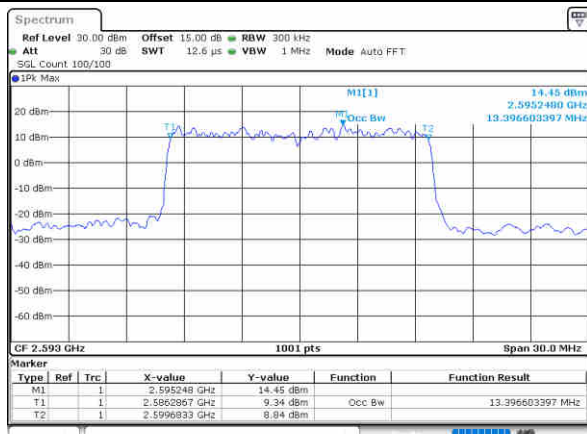
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## Lowest Channel / 20MHz / 64QAM



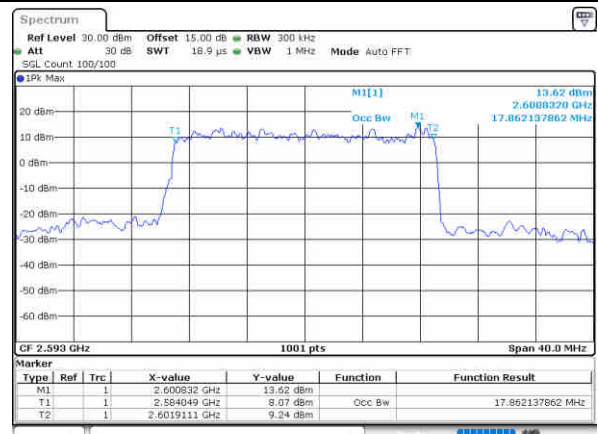
Date: 22, JUN, 2020 15:26:01

## Middle Channel / 15MHz / 64QAM



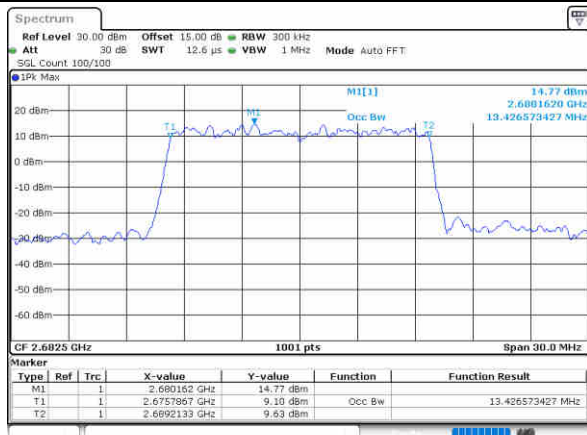
Date: 22, JUN, 2020 15:25:17

## Middle Channel / 20MHz / 64QAM



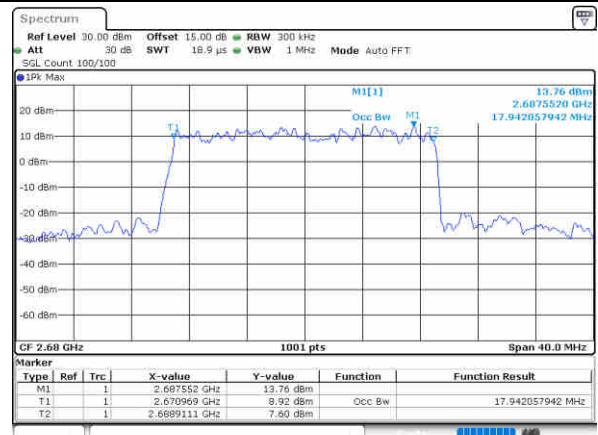
Date: 22, JUN, 2020 15:26:23

## Highest Channel / 15MHz / 64QAM

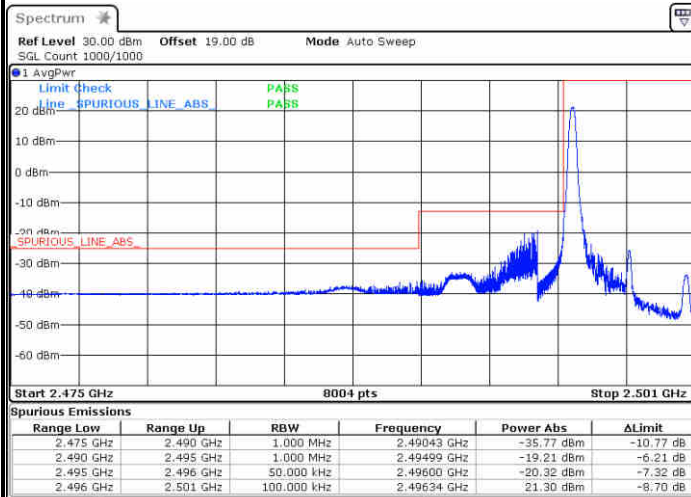
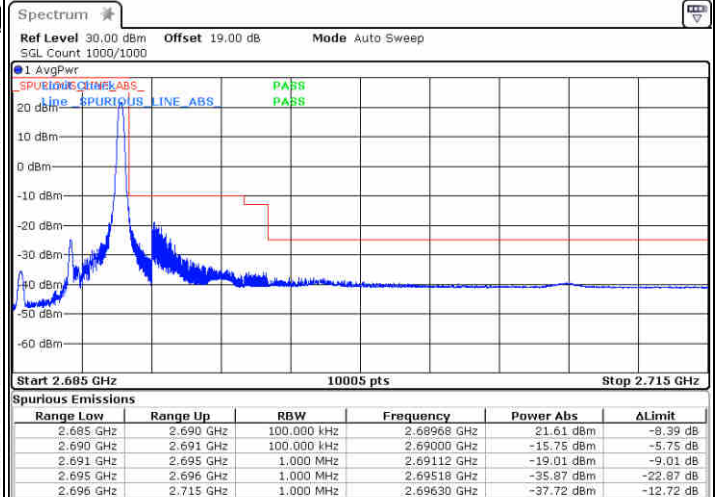
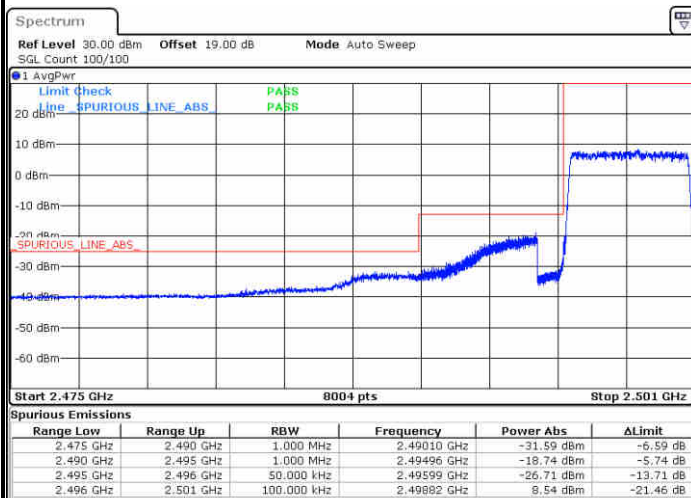
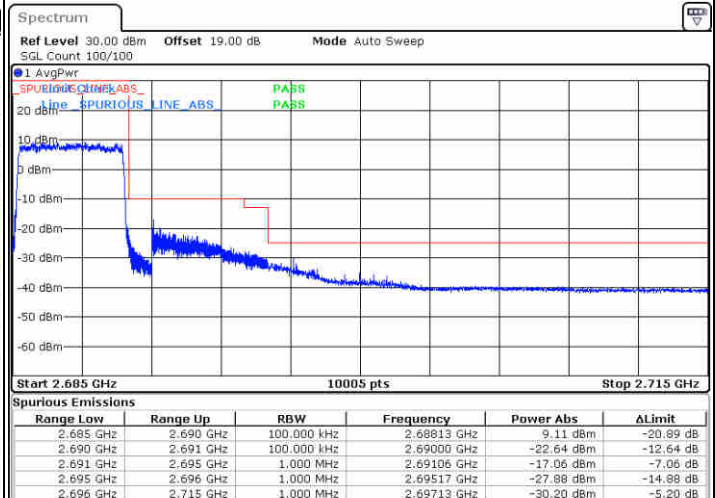


Date: 22, JUN, 2020 15:25:39

## Highest Channel / 20MHz / 64QAM



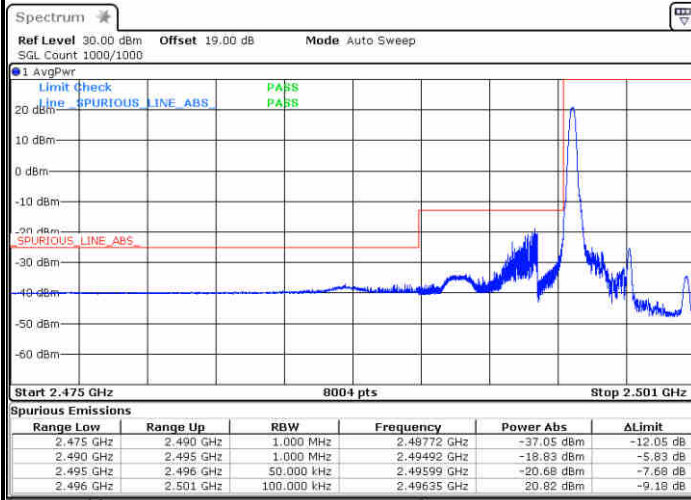
Date: 22, JUN, 2020 15:26:45

**Conducted Band Edge****LTE Band 41 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

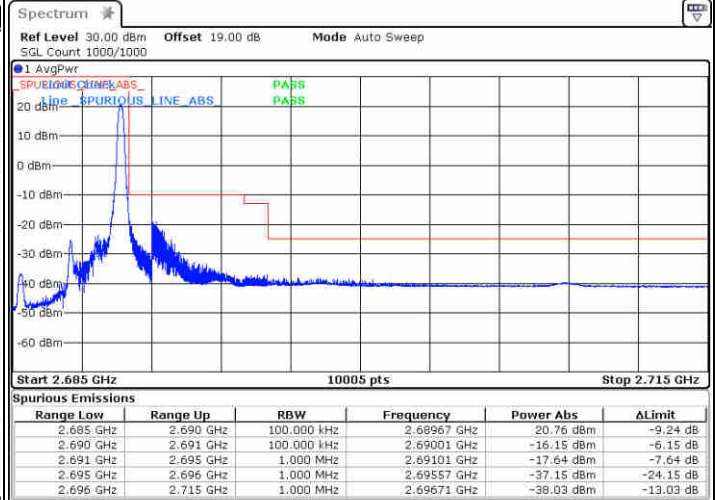


## LTE Band 41 / 5MHz / 16QAM

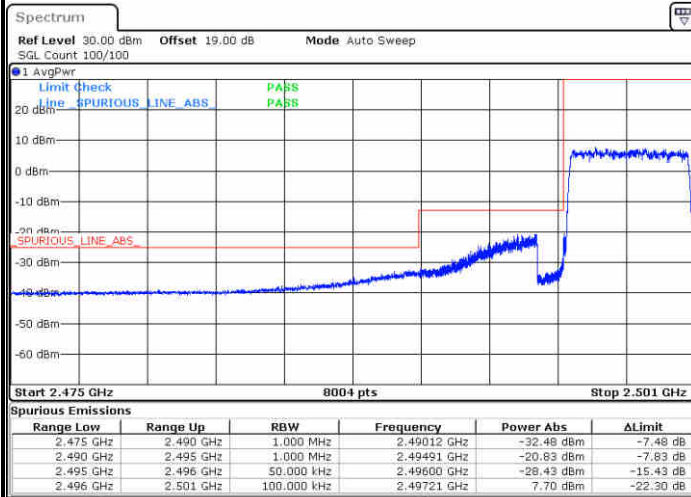
## Lowest Band Edge / 1RB



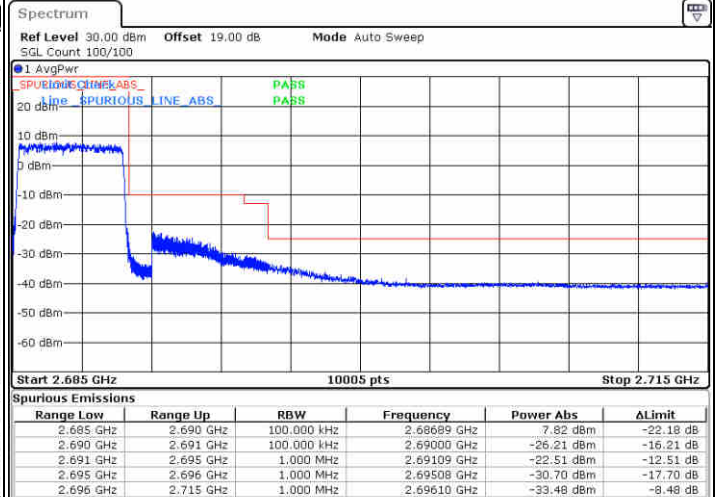
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



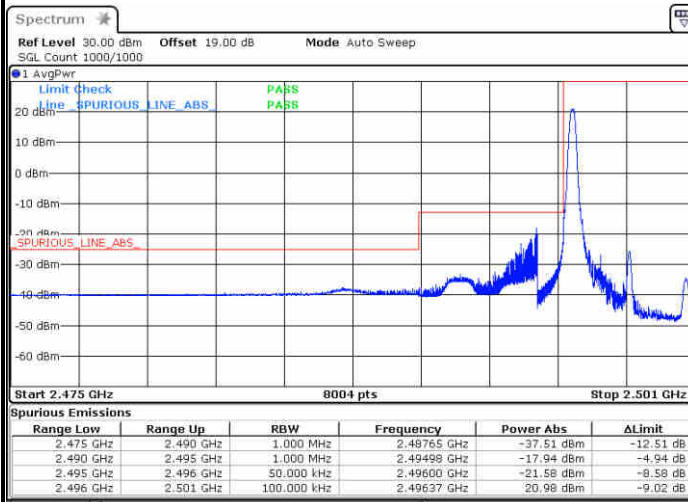
## Highest Band Edge / Full RB



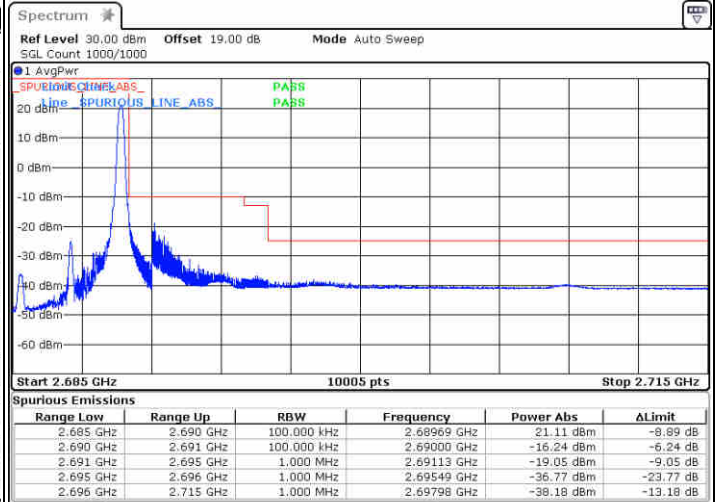


## LTE Band 41 / 5MHz / 64QAM

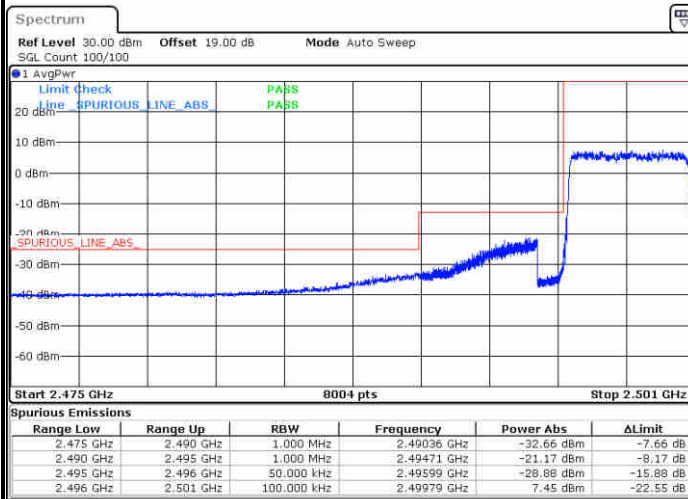
## Lowest Band Edge / 1RB



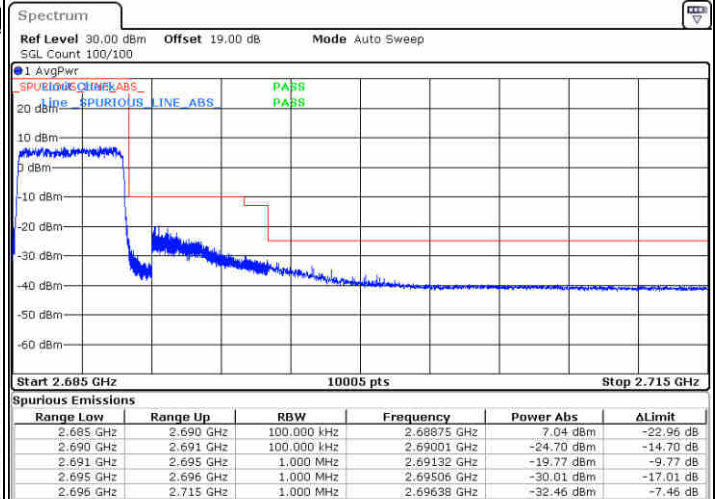
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



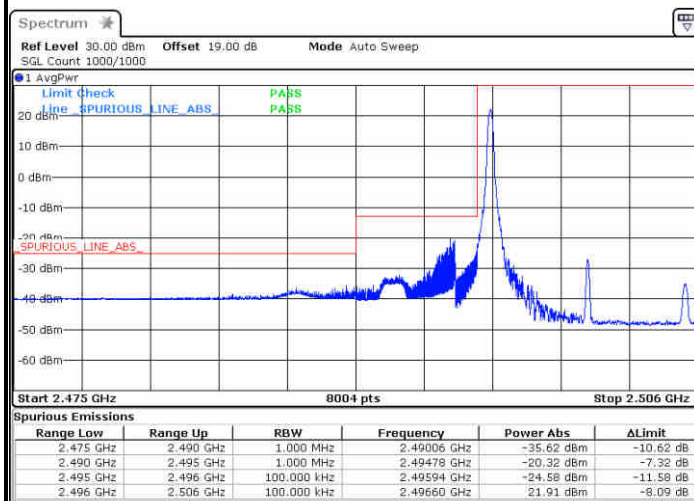
## Highest Band Edge / Full RB



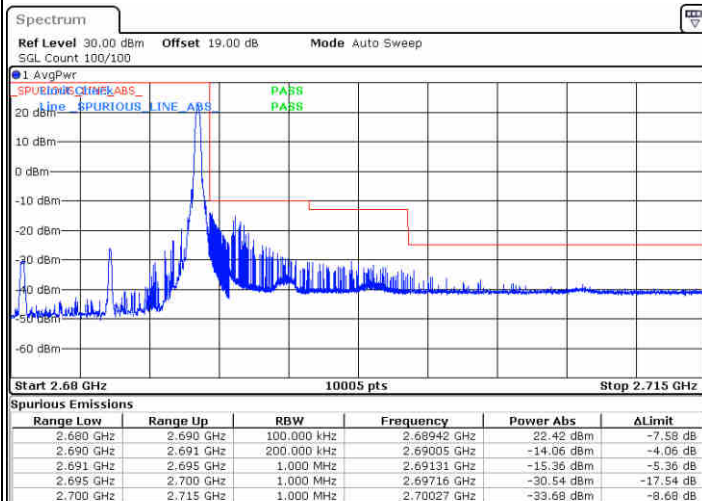


## LTE Band 41 / 10MHz / QPSK

## Lowest Band Edge / 1 RB



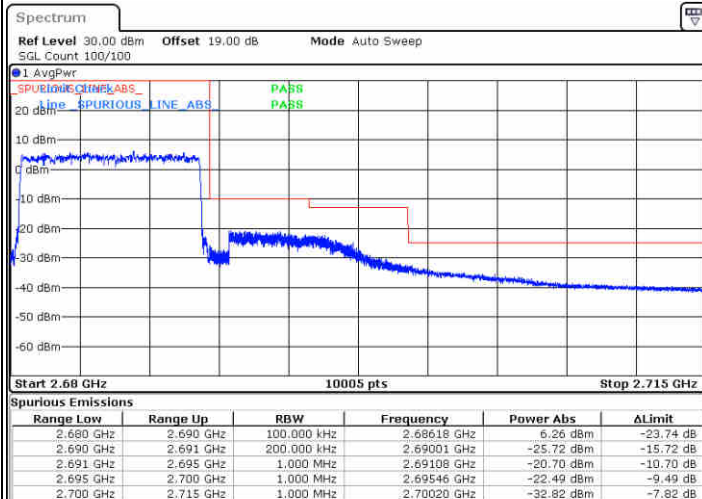
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



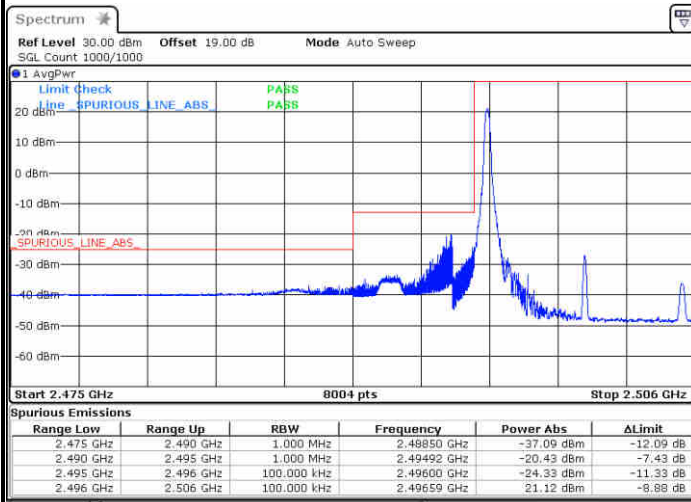
## Highest Band Edge / Full RB



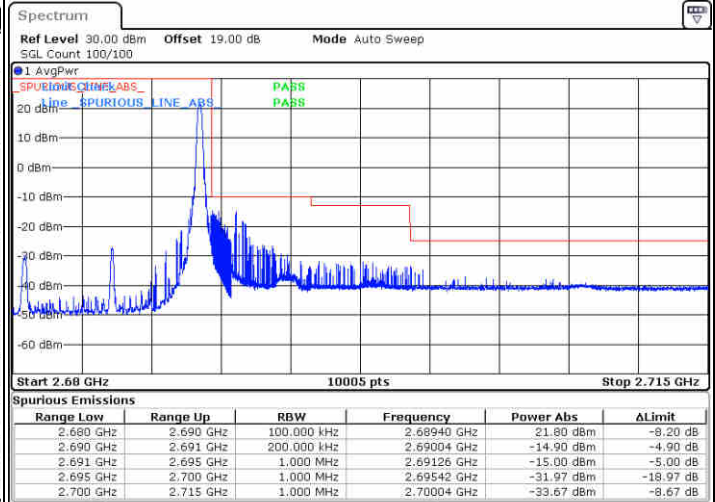


## LTE Band 41 / 10MHz / 16QAM

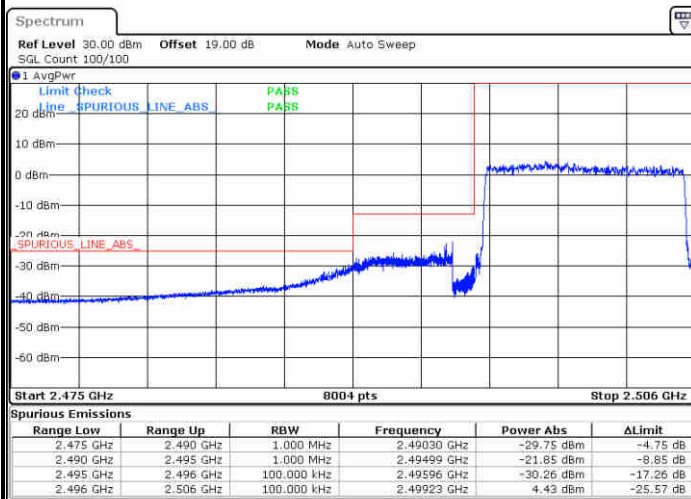
## Lowest Band Edge / 1 RB



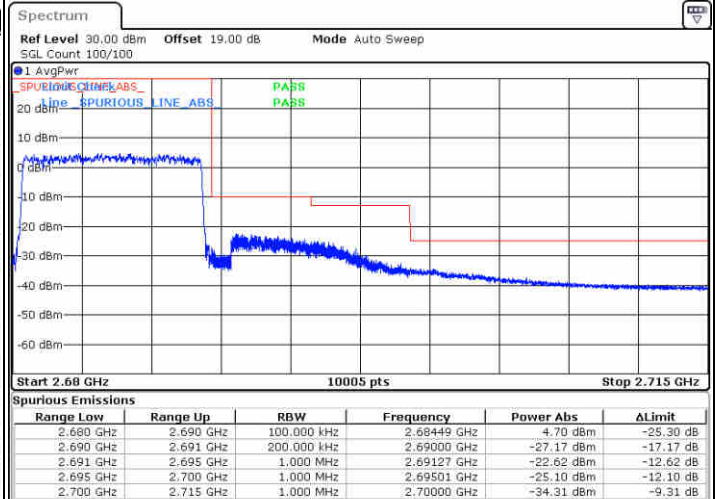
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



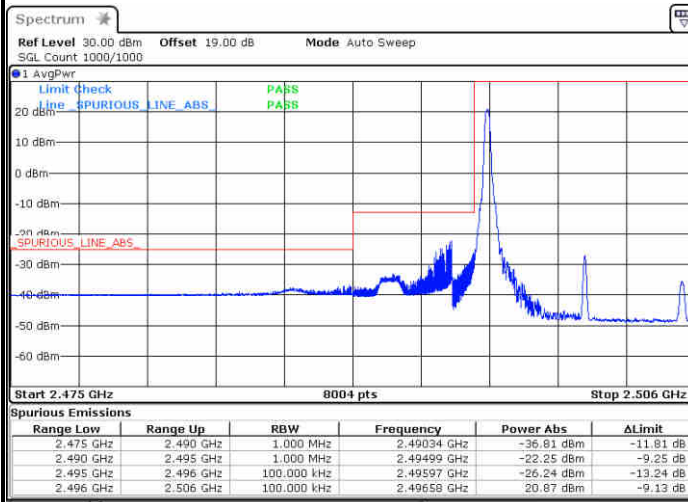
## Highest Band Edge / Full RB



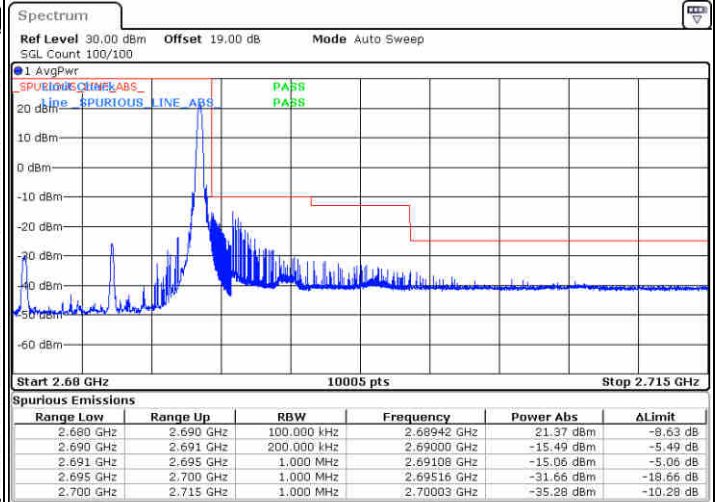


## LTE Band 41 / 10MHz / 64QAM

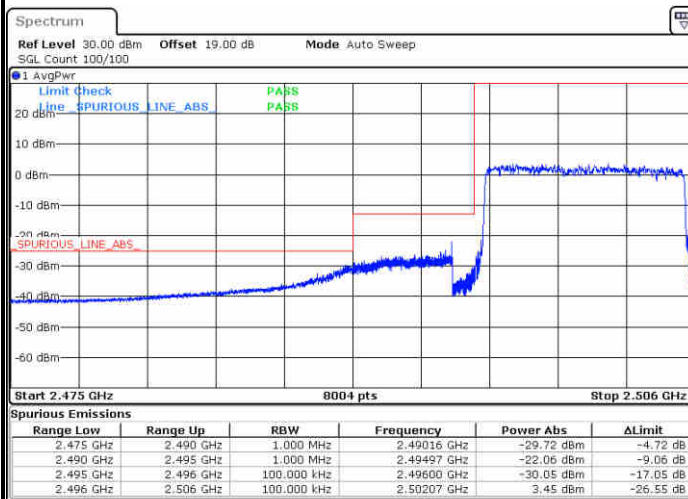
## Lowest Band Edge / 1 RB



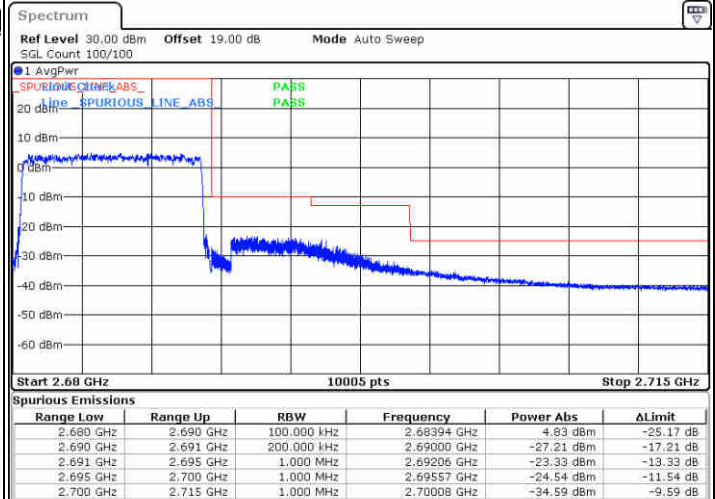
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



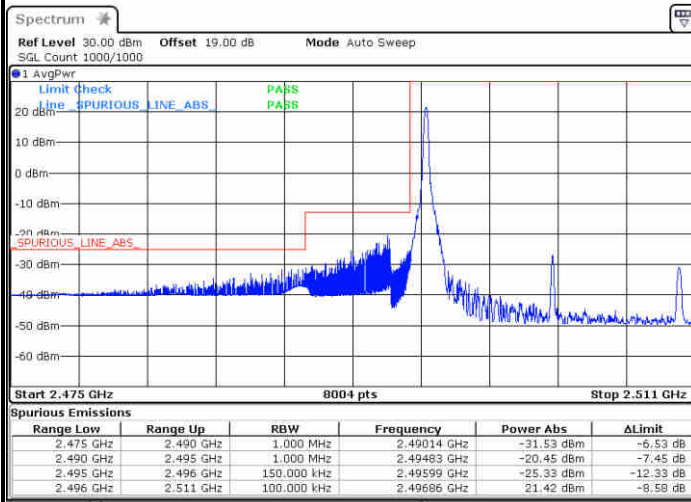
## Highest Band Edge / Full RB



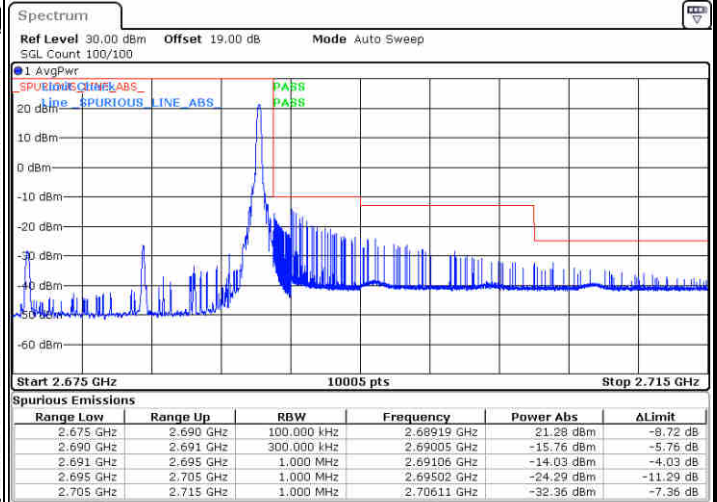


## LTE Band 41 / 15MHz / QPSK

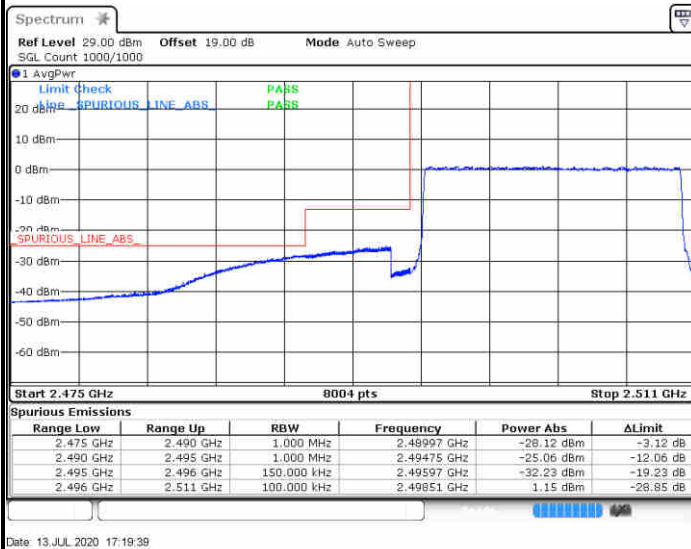
## Lowest Band Edge / 1 RB



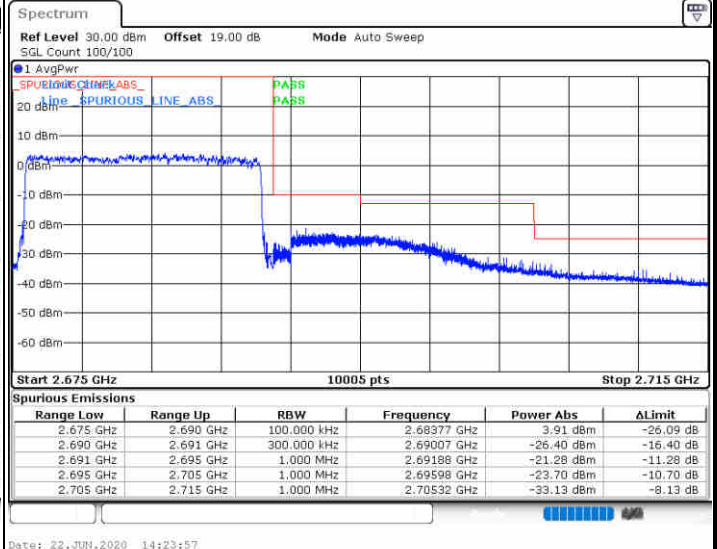
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



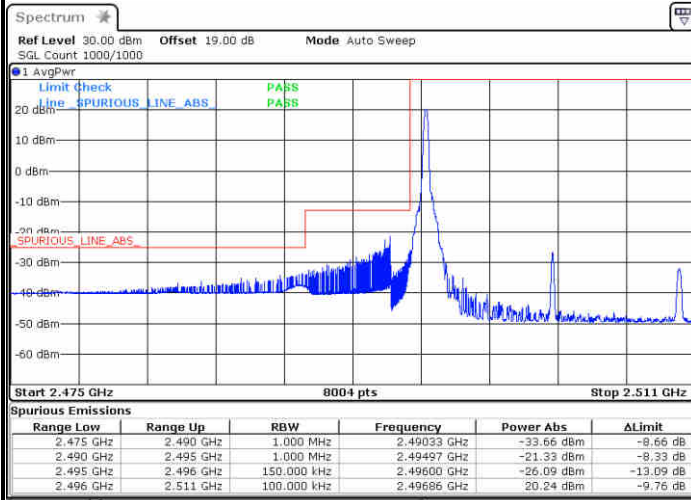
## Highest Band Edge / Full RB





## LTE Band 41 / 15MHz / 16QAM

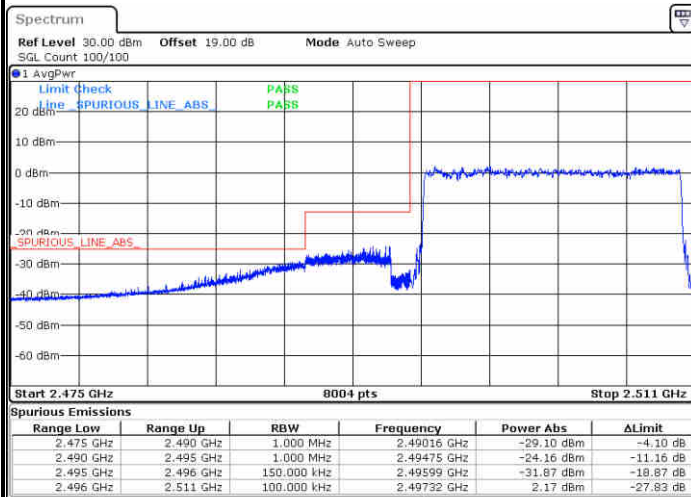
## Lowest Band Edge / 1 RB



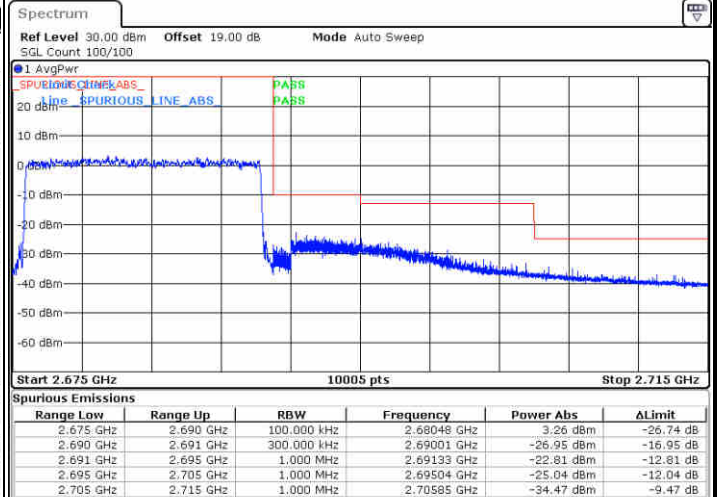
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



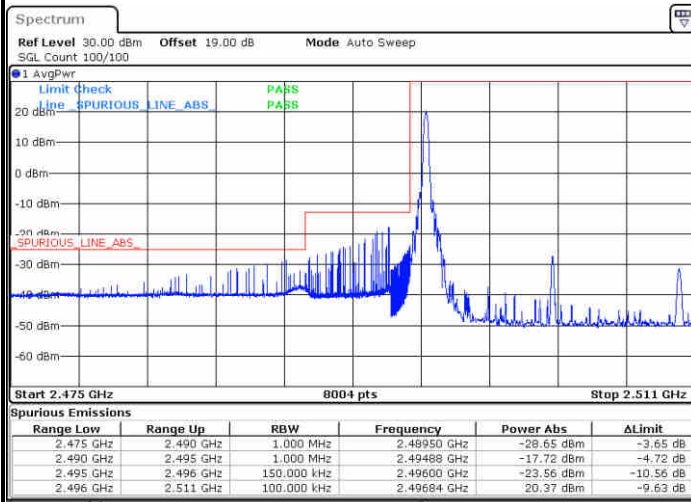
## Highest Band Edge / Full RB



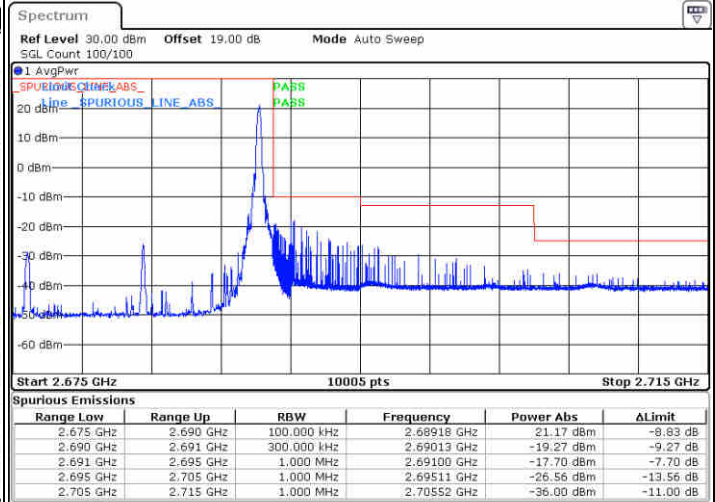


## LTE Band 41 / 15MHz / 64QAM

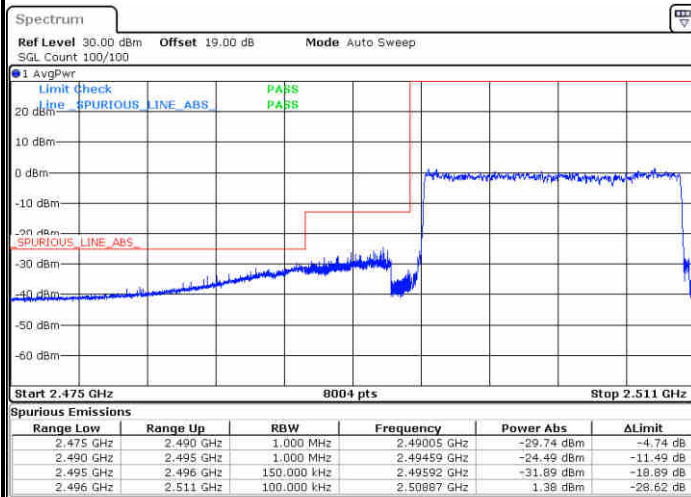
## Lowest Band Edge / 1 RB



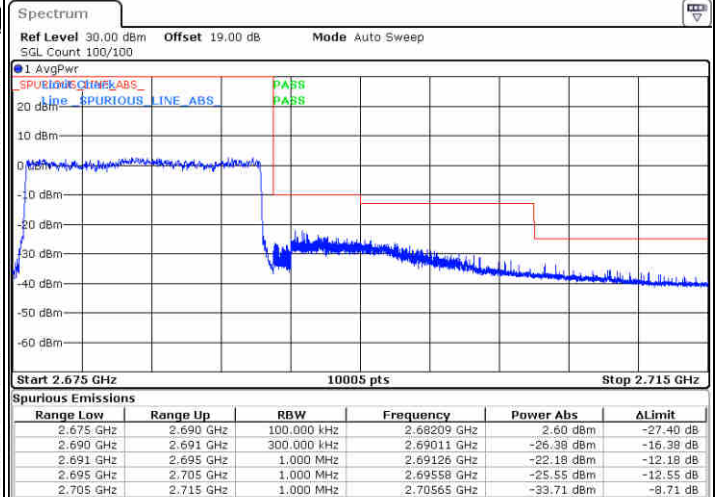
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



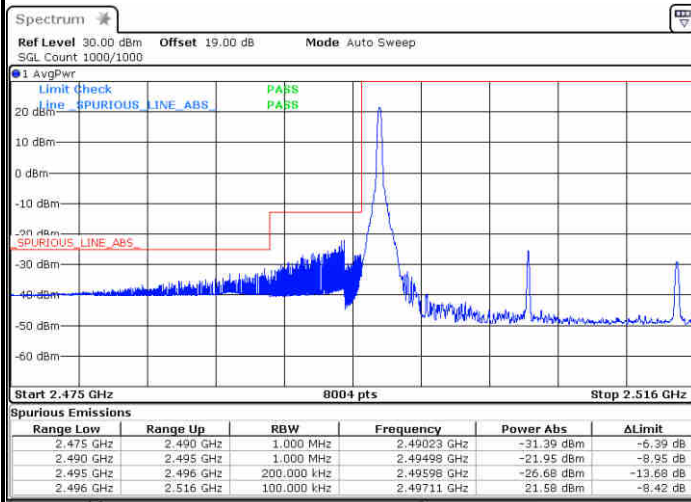
## Highest Band Edge / Full RB



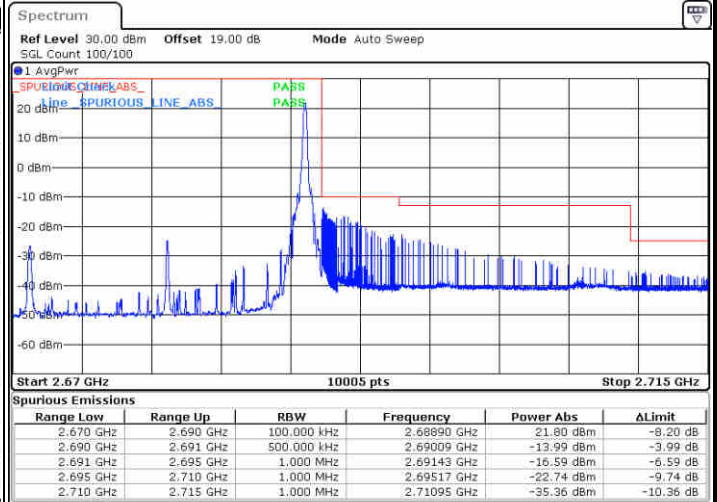


## LTE Band 41 / 20MHz / QPSK

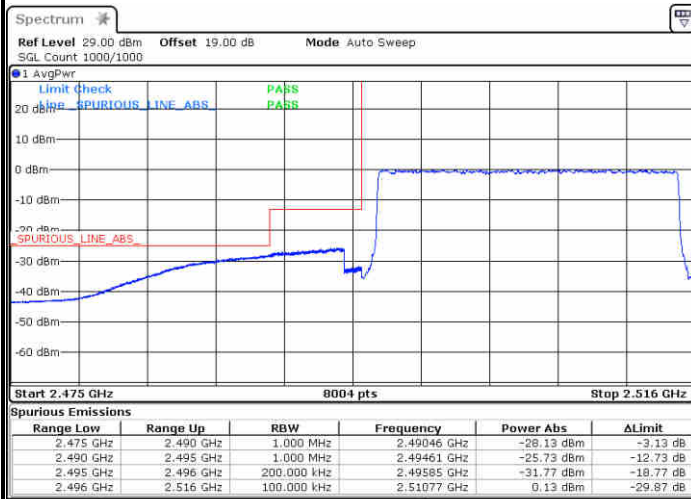
## Lowest Band Edge / 1 RB



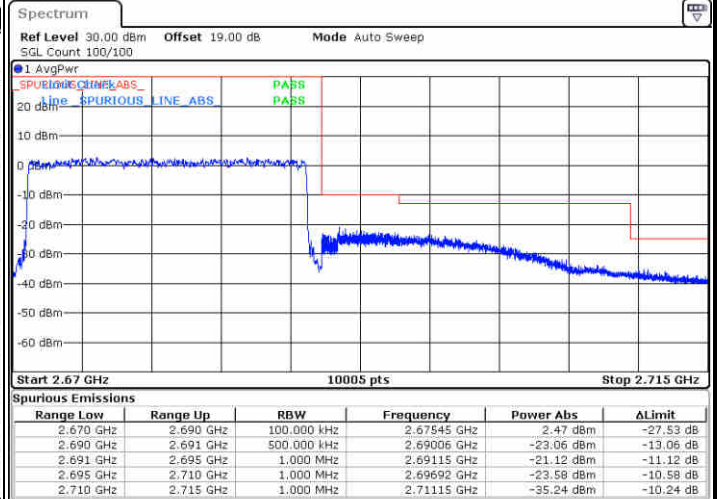
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



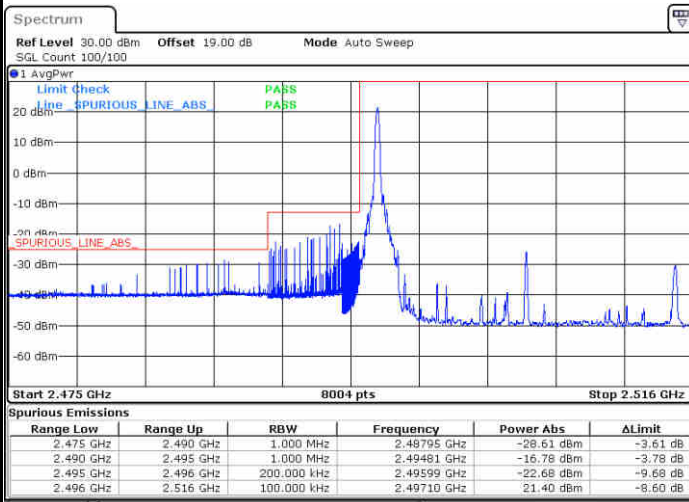
## Highest Band Edge / Full RB



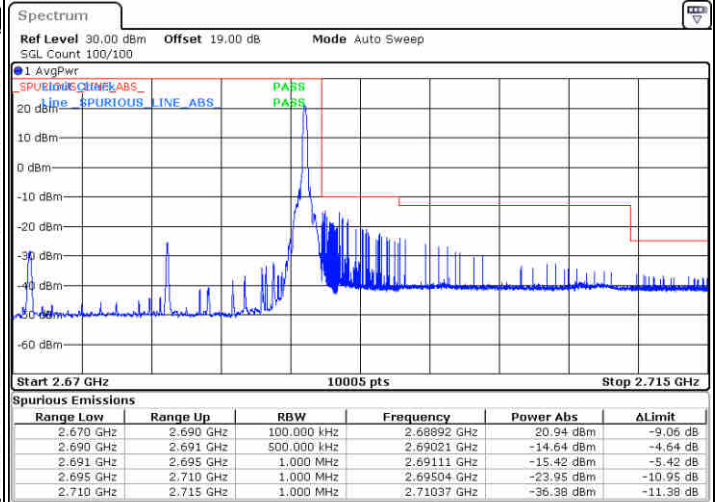


## LTE Band 41 / 20MHz / 16QAM

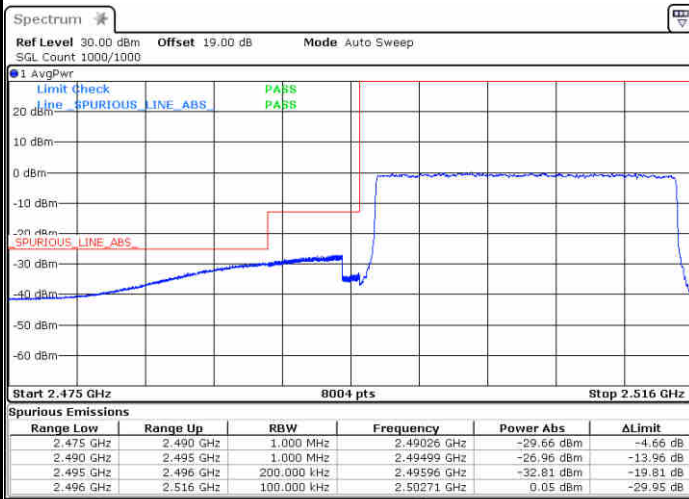
## Lowest Band Edge / 1 RB



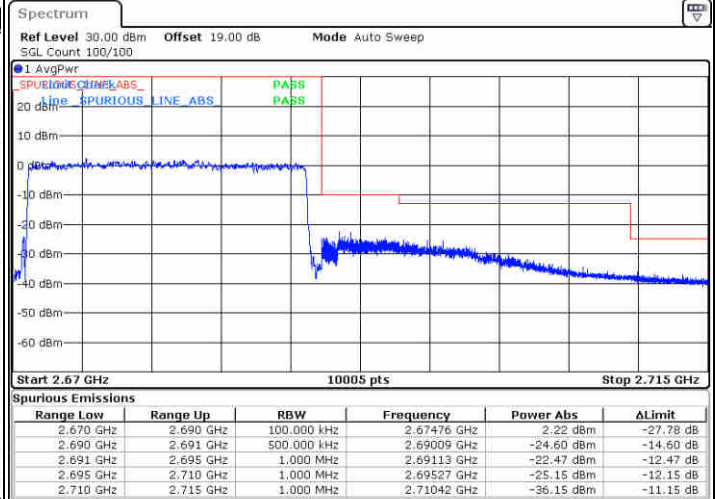
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



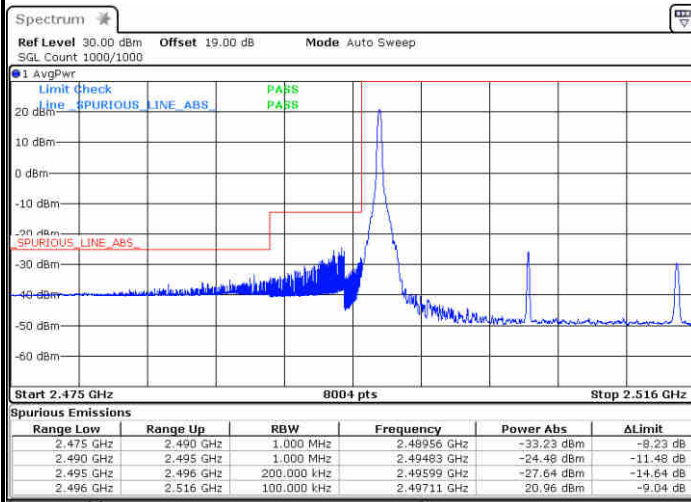
## Highest Band Edge / Full RB



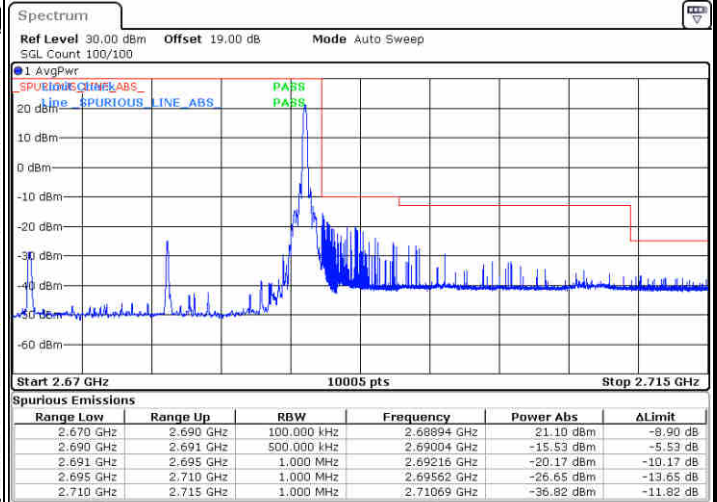


## LTE Band 41 / 20MHz / 64QAM

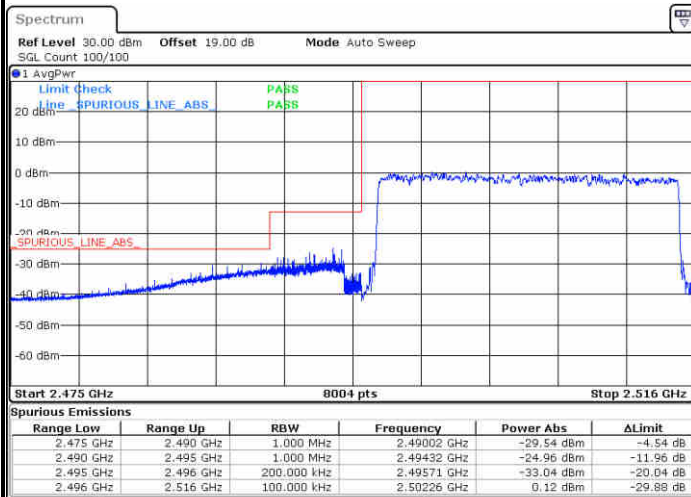
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

